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SENBACH AB, GERMANY, REVISED UNIFORM SUMMARY OF SURFACE WEATHER--ETC ()
SEP 74

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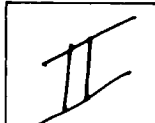
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**DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)**

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

SENBACH AB GERMANY WBAN #34056
N 49 31 E 007 52 FLD ELEV 1052 FT EDAS WMO#10712

PARTS A-F

POR FROM HOURLY OBS JUL 53-DEC 72
POR FROM DAILY OBS JUL 53-DEC 72

SEP 27 1974

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS-80/61	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)-Sembach AB, Germany	5. TYPE OF REPORT & PERIOD COVERED Final rept.	
7. AUTHOR(s)	6. PERFORMING ORG. REPORT NUMBER	
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225	8. CONTRACT OR GRANT NUMBER(s)	
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO Daily temperatures Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure Psychrometric summary Surface Winds Extreme temperature Ceiling versus visibility Relative Humidity *Climatological data (over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Sembach AB, Germany It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

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19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

*Germany **Sembach AB, Germany

20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

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THE EXTREME VALUES COULD CONTAIN SUSPECT OR QUESTIONABLE DATA. SUCH CASES USUALLY APPEAR IN THE TABULATIONS AS A PERCENTAGE FREQUENCY OF ".0", WHICH USUALLY INDICATES ONLY ONE OCCURRENCE. THESE MAY OR MAY NOT BE COMPLETELY VALID, BUT THE USER SHOULD NOT DISREGARD THEM ENTIRELY. OBVIOUS ERRORS OR IMPOSSIBLE CONDITIONS HAVE BEEN LINED THROUGH IN BLACK INK.

U.S. AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those portions of hourly special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into summary of the day observations, including hourly special, hourly summary of the day, remarks, etc.

DESCRIPTION OF SUMMARIES

Present each section as a brief description of the data comprising each part of the revised uniform summary of surface weather observations and the manner of presentation. Calculations are prepared from hourly and daily observations furnished by stations operating the following procedures and those foreign stations with similar reporting practices.

When otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV. (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

FEBRUARY _____

MARCH _____

APRIL _____

MAY _____

JUNE _____

JULY _____

AUGUST _____

SEPTEMBER _____

OCTOBER _____

NOVEMBER _____

DECEMBER _____

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
34056	SEMPRACH AB GERMANY	N 49 31	E 007 52	1062	EDAS	10712

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	WMO BAROMETER	
1	Sembach Germany	AB	Jul 53	22Sep 68	N 49 31	E 007 52	1064	1076	24
2	Same	Same	23Sep 68	Jun 71	Same	Same	Same	Same	13
3	Same	Same	Jul 71	Dec 72	Same	Same	1062	1064	Mon-Fri except Holiday Same

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jul 53to Feb 56	Located on top of Control Tower.	AN/GMQ-1	None	87 Ft	
2	Mar 56to Apr 56	Located on top of Base Operations Bldg.	Same	None	85 Ft	
3	May 56to Feb 57	Located on roof of Rnwy Observation Site.	Same	None	35 Ft	
4	Mar 57to Feb 59	Located at Observing Site on approach end of Rnwy 25.	Same	None	46 Ft	
5	Mar 59to Feb 60	Located on top of Weather Observing Site, on precision end of Rnwy 25.	Same	None	42 Ft	
6	Mar 60to Feb 62	Located at Observing Site on approach end of Rnwy 25.	Same	None	46 Ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
7	Mar 62 to Jun 71	Located adjacent to and near mid- point of Rnwy.	AN/CMQ-11	RO-2	13 Ft	
8	Jul 71 to Dec 72	Located 575 ft SSW of centerline at midpoint of Rnwy 07/25.	Same	Same	Same	

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056 SEMBACH AB GERMANY
STATION

59-72

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN AND/OR DRIZZLE	SNOW AND/OR SLEET	HAUL	% OF OBS WITH FROST	% OF OBS WITH ICE	% OF OBS WITH SMALL AND/OR HAUL	% OF OBS WITH ICE AND/OR SMALL HAUL	% OF OBS WITH ICE AND/OR SMALL HAUL	% OF OBS WITH ICE AND/OR SMALL HAUL	TOTAL OBS
JAN	ALL	.2	14.9	1.2	11.4	.0	20.0	30.3	43.5	.2		70.9	12207
FEB		.1	12.5	.5	10.3	.0	22.0	28.7	46.9	.0	.0	66.1	11012
MAR		.1	12.4	.1	5.4	.1	17.6	17.4	46.2			56.0	12222
APR		.2	14.4	.0	1.2	.1	15.3	14.7	28.5			37.4	11816
MAY		.9	11.8		.1		11.9	10.8	21.7			28.9	12208
JUN		1.2	10.8		.0	.0	10.8	19.1	23.4			31.9	11770
JUL		1.2	9.5			.0	9.5	12.5	20.0			30.1	13042
AUG		.9	11.3				11.3	15.8	21.0			33.0	13386
SEP		.4	10.0			.0	10.0	24.1	27.8		.0	45.8	12580
OCT		.1	12.4		.2	.0	12.5	17.1	34.9			63.2	12702
NOV		.0	17.3	.2	4.1		20.9	42.3	38.8	.0		71.0	11996
DEC			18.4	1.4	7.3	.0	26.2	43.6	39.4			79.4	12413
TOTALS		.4	13.0	.3	3.3	.0	16.3	24.7	32.7	.0	.0	50.7	147354

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056
STATION

SENBACH AB GERMANY
STATION NAME

34-72
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-02		14.3	1.4	9.9		24.7	28.1	42.7	1.1		70.1	1295
	03-05		14.2	1.4	10.4		25.7	40.9	37.3	1.1		68.2	1467
	06-08		13.7	1.3	12.9		26.8	41.9	36.8	1.2		70.0	1630
	09-11		13.3	1.3	14.3		28.3	40.2	42.3	1.4		73.4	1641
	12-14		13.9	1.8	12.7		28.4	32.2	45.0	1.2		69.6	1650
	15-17	1.1	13.4	1.6	10.0	1.1	23.2	28.8	44.6	1.3		67.0	1634
	18-20		16.0	1.0	10.3		26.3	32.3	31.2	1.2		74.7	1393
	21-23		13.8	1.4	10.4		26.6	36.1	46.0			72.9	1393
TOTALS			14.9	1.2	11.4	1.0	26.6	36.3	43.3	1.2		70.9	12207

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056
STATION

SENBACH AB GERMANY
STATION NAME

54-72

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	00-02		12.4	.6	9.8		21.9	22.6	47.2	.1		68.8	1272
	03-05		12.2	.8	10.6		23.3	36.6	45.2	.1		70.4	1333
	06-08		13.4	1.0	11.7		25.2	41.0	44.9			72.6	1467
	09-11		13.3	.6	13.3		26.9	36.7	44.8		.1	70.3	1462
	12-14	.1	13.4	.2	10.2		23.1	21.3	46.0			60.1	1468
	15-17	.2	12.2	.3	10.3	.1	22.4	14.9	45.0			53.6	1463
	18-20	.1	12.1	.4	7.8		19.8	20.3	51.2			64.1	1275
	21-23		10.9	.4	8.7		19.4	23.9	50.2	.1		66.3	1270
TOTALS		.1	12.5	.5	10.2	.0	22.8	28.7	46.9	.0	.0	66.1	11012

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056
STATION

SENBACH AB GERMANY
STATION NAME

54-72
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02		12.0	.1	4.1	.1	15.8	19.3	40.0			27.9	1295
	03-05	.1	13.3	.2	5.5		18.9	27.6	46.7			42.5	1478
	06-08	.1	12.9	.5	7.3	.1	20.0	38.3	46.6			67.3	1686
	09-11	.1	13.6	.2	7.3	.1	20.8	21.4	52.5			69.0	1640
	12-14		12.9		6.2	.1	18.8	8.3	44.8			49.7	1622
	15-17	.2	12.3		4.4	.1	16.5	6.3	27.3			41.0	1644
	18-20	.2	11.5		4.2		15.4	9.0	44.0			48.8	1299
	21-23		10.5		4.4	.1	14.8	12.2	49.6			56.1	1295
TOTALS		.1	12.4	.1	5.4	.1	17.6	17.4	46.2			56.0	12222

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056
STATION

SENBACH AB GERMANY
STATION NAME

54-72
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS 1-24	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02		12.2		.7		12.7	19.6	28.1			29.7	1290
	03-05	.2	13.1		1.3		13.9	30.2	29.4			47.5	1427
	06-08	.2	15.8		2.0	.1	17.3	31.6	34.8			53.9	1589
	09-11	.1	17.5	.1	1.6	.1	18.8	13.1	38.0			46.1	1583
	12-14	.2	14.0		1.8	.1	15.3	4.6	23.8			28.6	1551
	15-17	.7	14.5		1.1	.1	15.3	3.0	18.3			20.6	1583
	18-20	.4	15.2		.6		15.3	3.0	24.0			27.1	1331
	21-23	.1	12.7		.7		13.4	10.3	29.4			33.6	1330
TOTALS		.2	14.4	.0	1.2	.1	15.3	14.7	28.3			27.4	11010

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DATA PROCESSING BRANCH
USAF BTAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056
STATION

SENBACH AB GERMANY
STATION NAME

54-72

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN S. OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02	.4	10.4		.1		10.5	15.2	25.4			24.9	1401
	03-05	.4	12.1		.1		12.1	20.2	20.2			47.2	1477
	06-08	.2	15.1		.2		15.3	25.0	33.0			49.6	1028
	09-11	.2	15.5		.1		15.6	5.5	28.0			22.1	1037
	12-14	1.0	15.0		.1		15.6	1.8	15.8			17.0	1095
	15-17	1.8	11.9		.1		12.0	1.4	9.2			10.4	1021
	18-20	1.9	10.0		.1		10.0	2.1	11.9			13.4	1400
	21-23	1.3	10.0		.1		10.1	6.9	22.2			20.4	1399
TOTALS		.9	11.0		.1		11.9	10.8	21.7			28.9	12808

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056
STATION

SENBACH AB GERMANY
STATION NAME

54-72

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	00-02	.7	9.8		.1		9.8	17.6	26.6			26.0	1251
	03-05	.5	9.0				9.0	32.8	29.9			51.6	1420
	06-08	.7	11.2				11.2	27.9	35.3			51.8	1973
	09-11	.4	12.0				12.0	7.7	29.2			34.9	1580
	12-14	1.4	11.6				11.6	3.3	17.4			20.1	1567
	15-17	2.9	12.3				12.3	2.0	11.9			15.6	1568
	18-20	2.1	11.0			.1	11.0	3.2	13.1			15.2	1399
	21-23	1.1	9.7				9.7	10.3	23.3			30.3	1390
TOTALS		1.2	10.8		.0	.0	10.8	12.1	23.4			31.9	11770

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DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/HAC

WEATHER CONDITIONS

34096
 STATION

SENBACH AB GERMANY
 STATION NAME

59-72

YEARS

JUL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH BEST TO VISION	TOTAL NO. OF OBS
JUL	00-02	1.0	7.4				7.4	17.6	21.8			24.8	1929
	03-05	1.0	8.3				8.3	31.9	23.1			47.4	1990
	06-08	.6	9.9				9.9	27.8	29.6			50.9	1714
	09-11	.4	10.7				10.7	7.6	27.0			32.6	1720
	12-14	1.1	9.7				9.7	2.0	13.5			17.2	1713
	15-17	2.0	10.5				10.5	1.3	12.1			13.0	1710
	18-20	1.8	10.4			.1	10.4	2.7	12.9			15.1	1993
	21-23	1.7	8.7				8.7	9.4	22.8			29.5	1993
TOTALS		1.2	9.5			.0	9.5	12.5	20.0			20.1	12042

1

DATA PROCESSING BRANCH
USAF STAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056
STATION

SENBACH AB GERMANY
STATION NAME

99-72
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS 1LT	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AUG	00-02	.7	11.4				11.4	21.0	21.7			30.0	1579
	03-05	1.1	11.0				11.0	35.2	23.4			51.6	1683
	06-08	.4	11.8				11.8	37.9	28.4			59.4	1769
	09-11	.5	12.4				12.4	19.0	31.9			40.9	1797
	12-14	.5	9.7				9.7	2.8	10.6			18.9	1760
	15-17	1.4	10.0				10.0	1.5	11.7			12.8	1753
	18-20	2.2	12.9				12.9	4.1	13.0			16.7	1877
	21-23	1.0	11.1				11.1	11.0	20.9			29.0	1870
TOTALS		.9	11.3				11.3	15.8	21.0			32.0	12206

1

DATA PROCESSING BRANCH
 JSAP BTAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34050
 STATION

SEMPACH AB GERMANY
 STATION NAME

82-72

YEARS

SEP
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02	.3	10.4				10.4	34.9	27.6		.1	32.2	1484
	03-05	.3	10.6				10.6	46.7	24.9			62.7	1513
	06-08	.1	10.1				10.1	31.6	24.9			63.8	1677
	09-11	.1	8.2				8.2	22.6	37.3			33.7	1682
	12-14	.1	10.3				10.3	5.6	26.7			30.9	1681
	15-17	1.0	9.7			.1	9.8	2.3	22.1			24.8	1678
	18-20	.3	10.6				10.6	8.6	28.2			24.0	1446
	21-23	.6	9.7				9.7	19.4	30.2			42.2	1448
TOTALS		.4	10.0			.0	10.0	24.1	27.8		.0	42.8	12280

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056
STATION

SENBACH AB GERMANY
STATION NAME

55-72
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-02	.1	13.0		.2		13.1	31.7	31.2			69.6	1423
	03-05	.1	13.9		.4		14.0	37.7	24.4			71.7	1519
	06-08		12.5		.2		12.6	39.7	24.7			74.5	1713
	09-11		13.6		.2		13.7	41.0	36.8			69.0	1718
	12-14		13.1		.1	.2	13.1	13.5	39.3			32.0	1721
	15-17	.1	11.3		.2		11.6	9.6	38.2			43.1	1716
	18-20		10.0		.3		10.2	22.7	43.6			39.4	1448
	21-23	.1	11.4				11.4	38.3	38.6			63.0	1442
TOTALS		.1	12.4		.2	.0	12.3	37.1	34.9			62.3	12762

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056
STATION

SENBACH AB GERMANY
STATION NAME

59-72

YEARS

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02		16.6	.2	3.1		19.5	51.4	38.3			76.6	1349
	03-05		16.9	.1	4.3		20.4	52.4	33.0	.1		74.9	1444
	06-08		17.0	.2	3.1		21.3	51.4	30.4			71.9	1086
	09-11		18.4	.1	3.7		23.1	44.9	27.4			71.4	1634
	12-14		17.3	.2	4.3		21.7	29.5	41.0			63.8	1419
	15-17		16.4	.2	3.4		19.6	25.4	41.1			60.3	1025
	18-20		17.9	.3	3.6		21.3	39.0	40.1			72.0	1350
	21-23	.1	17.4	.4	3.4		20.4	44.3	42.3	.2		74.9	1349
TOTALS		.0	17.3	.2	4.1		20.9	42.3	38.8	.0		71.0	11996

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34096
STATION

SENBACH AB GERMANY
STATION NAME

53-72

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	00-02		20.4	1.1	6.6		27.4	49.9	37.6			76.8	1295
	03-05		17.9	1.5	6.8		25.1	49.9	34.0			74.7	1490
	06-08		17.5	2.0	8.9		27.3	47.4	32.9			72.1	1002
	09-11		16.5	2.1	9.6		27.6	48.4	36.4			72.2	1686
	12-14		17.1	1.7	8.2		26.3	35.0	40.8			68.3	1607
	15-17		17.5	1.0	5.5	.1	23.4	32.1	44.3			69.6	1683
	18-20		20.2	.6	6.1		26.3	41.8	48.7			76.0	1395
	21-23		20.0	.8	6.6		26.4	47.2	43.1			77.4	1398
TOTALS			18.4	1.4	7.2	.0	26.2	43.6	39.4			72.4	12413

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $5/8$ mile.

WEATHER CONDITIONS

93-72

74.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

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1210 WS FORM 0-10-5 OL-1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JULY 64

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

| | | |
|-----------------------------|-------|--|
| EXTREME DAILY PRECIPITATION | ".00" | equals none for the month (hundredths) |
| EXTREME DAILY SNOWFALL | ".0" | equals none for the month (tenths) |
| EXTREME DAILY SNOW DEPTH | "0" | equals none for the month (whole inches) |

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

| | |
|---------------------|------------|
| Beginning thru 1945 | at 0800LST |
| Jan 46-May 47 | at 1230GMT |
| Jun 57-present | at 1200GMT |

U. S. Navy and National Weather Service (USWB)

| | |
|-----------------------|------------|
| Beginning thru Jun 52 | at 0030GMT |
| Jul 52-May 57 | at 1230GMT |
| Jun 57-present | at 1200GMT |

DATA PROCESSING BRANCH
JSAP ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
FROM DAILY OBSERVATIONS

34056 SEEBACH AB GERMANY
STATION STATION NAME

53-72

YEARS

| AMOUNTS (INCHES) | | | | | | | | | | | | | | PERCENT
OF DAYS
WITH
MEASUR-
ABLE
AMTS | TOTAL
NO
OF
OBS | MONTHLY AMOUNTS
(INCHES) | | |
|------------------|------|-------|-------|-------|-------|-------|-------|--------|---------|---------|----------|-----------|-----------|---|--------------------------|-----------------------------|----------|-------|
| PRECIP | NONE | TRACE | 01 | 02-05 | 06-12 | 13-25 | 26-50 | 51-100 | 101-250 | 251-500 | 501-1000 | 1001-2500 | OVER 2500 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 01-04 | 05-14 | 15-24 | 25-34 | 35-44 | 45-64 | 65-104 | 105-154 | 155-254 | 255-504 | OVER 504 | | | | | |
| SNOW
DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-72 | OVER 72 | | | | | |
| JAN | 28.2 | 18.7 | 5.1 | 15.9 | 10.3 | 13.4 | 5.2 | 3.1 | | | | | | 53.1 | 546 | 2.13 5.33 .24 | | |
| FEB | 29.9 | 21.0 | 5.5 | 13.9 | 9.9 | 12.1 | 4.2 | 2.4 | .4 | | | | | 48.5 | 495 | 1.84 5.00 .09 | | |
| MAR | 38.3 | 20.7 | 4.4 | 11.4 | 6.8 | 11.7 | 4.6 | 2.0 | | | | | | 40.9 | 545 | 1.67 3.42 .70 | | |
| APR | 36.3 | 18.4 | 5.5 | 11.6 | 7.4 | 12.5 | 6.5 | 1.5 | | | | | | 45.1 | 528 | 1.74 3.48 .91 | | |
| MAY | 37.8 | 19.7 | 3.5 | 10.9 | 7.2 | 10.7 | 7.6 | 2.8 | | | | | | 42.5 | 543 | 2.06 3.66 .56 | | |
| JUN | 42.1 | 16.0 | 4.1 | 9.4 | 6.6 | 8.6 | 7.5 | 4.7 | .9 | | | | | 41.9 | 532 | 2.64 5.01 .24 | | |
| JUL | 43.7 | 16.5 | 5.3 | 8.1 | 6.0 | 11.4 | 4.7 | 3.3 | 1.1 | | | | | 39.8 | 570 | 2.33 4.22 .48 | | |
| AUG | 39.7 | 14.6 | 3.2 | 8.3 | 6.3 | 14.0 | 8.3 | 4.3 | 1.3 | | | | | 45.7 | 556 | 3.02 7.31 .88 | | |
| SEP | 49.4 | 14.1 | 3.9 | 10.3 | 3.4 | 8.4 | 6.9 | 2.1 | 1.1 | | | | | 36.1 | 562 | 2.11 7.84 .02 | | |
| OCT | 47.7 | 16.3 | 4.9 | 8.0 | 6.2 | 8.9 | 6.4 | 1.2 | .3 | | | | | 39.9 | 576 | 1.66 3.60 .12 | | |
| NOV | 33.6 | 19.7 | 5.4 | 12.4 | 7.8 | 12.1 | 6.1 | 2.2 | .6 | | | | | 46.6 | 539 | 1.96 5.17 .27 | | |
| DEC | 28.0 | 21.7 | 7.7 | 13.4 | 7.7 | 12.7 | 6.5 | 2.2 | .2 | | | | | 50.4 | 558 | 2.05 6.14 .15 | | |
| ANNUAL | 37.9 | 18.2 | 4.9 | 11.1 | 7.1 | 11.4 | 6.2 | 2.6 | .5 | | | | | 43.9 | 6848 | 2.23 | | |

EXTREME VALUES

53-72

6036 J. Neurosci., July 26, 2006 • 26(30):6033–6040

FEARS

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------------|
| 53 | | | | | | * | .36 | 1.41 | .44 | .23 | .13 | .19 | |
| 54 | .45 | .81 | .84 | .40 | .32 | 1.03 | .37 | .66 | .32 | .42 | .32 | .32 | 1.03 |
| 55 | .74 | .74 | .37 | .24 | .50 | 1.68 | .96 | .72 | .64 | .32 | .18 | .36 | 1.68 |
| 56 | .54 | .12 | .20 | .32 | .42 | .62 | .81 | 1.07 | .29 | .60 | .70 | .36 | 1.07 |
| 57 | .26 | .83 | .74 | .36 | .30 | .93 | .36 | .28 | 1.80 | 1.05 | .24 | .84 | 1.80 |
| 58 | .62 | 1.10 | .92 | .32 | .62 | .60 | 1.92 | .68 | .31 | .27 | .28 | .30 | 1.92 |
| 59 | .35 | .05 | .36 | .46 | .36 | .44 | .81 | 2.12 | .02 | .32 | .33 | .69 | 2.12 |
| 60 | .42 | .52 | .72 | .47 | .62 | .60 | .64 | 1.08 | .82 | .49 | .25 | .49 | 1.08 |
| 61 | .52 | .26 | .24 | .57 | .63 | 1.47 | 1.29 | .44 | .28 | .48 | .40 | .29 | 1.47 |
| 62 | .72 | 1.10 | .76 | .70 | .60 | .10 | 1.22 | .32 | .31 | .22 | .22 | .24 | 1.22 |
| 63 | .29 | .15 | .55 | .45 | .15 | .65 | 1.31 | .41 | .39 | 1.15 | 1.26 | .10 | 1.31 |
| 64 | .10 | .22 | .27 | .67 | .60 | .20 | .16 | .49 | .79 | .50 | 1.22 | .22 | 1.22 |
| 65 | 1.00 | .27 | .59 | .55 | .60 | 1.07 | .83 | .67 | .87 | .12 | .73 | 1.00 | |
| 66 | .72 | .71 | .82 | .22 | .90 | .68 | .99 | 1.22 | .21 | .22 | .22 | 1.22 | 1.22 |
| 67 | .22 | .55 | .44 | .47 | .58 | .32 | 1.22 | .68 | 2.02 | .46 | .32 | .71 | 2.02 |
| 68 | .82 | .24 | .68 | .70 | .62 | 1.22 | .67 | 1.72 | 1.12 | .32 | .22 | .47 | 1.72 |
| 69 | .34 | .80 | .68 | .36 | .67 | .66 | .57 | .60 | .12 | .00 | .32 | .12 | .69 |
| 70 | .22 | .82 | .12 | .16 | .72 | .27 | .44 | .32 | .72 | .66 | .68 | .26 | .82 |
| 71 | .61 | .22 | .62 | .62 | .82 | .72 | .80 | .57 | .81 | .72 | 1.12 | .20 | 1.12 |
| 72 | .22 | .08 | .22 | .27 | .40 | .20 | 1.40 | .22 | .12 | .66 | .66 | .20 | 1.40 |
| MEAN | .492 | .821 | .499 | .498 | .527 | .721 | .524 | .526 | .515 | .494 | .525 | .521 | 1.427 |
| S.D. | .229 | .246 | .172 | .142 | .174 | .296 | .221 | .206 | .222 | .222 | .244 | .222 | .291 |
| TOTAL OBS. | 240 | 292 | 242 | 220 | 228 | 222 | 270 | 222 | 222 | 272 | 222 | 220 | 291 |

NOTE * (BASED ON 6 FULL MONTHS)

USAF ETAC FORM 0-88-5 (OU)

DATA PROCESSING BRANCH
USAF/ETAC/OL A
AIR WEATHER SERVICE/VAC

XXXXXXXXXXXX
XXXXXXXXXXXX
MONTHLY PRECIPITATION

34050 SENBACH AB GERMANY
STATION NAME

53-72

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| 53 | | | | | | | 1.60 | 2.07 | 2.17 | .81 | .27 | .99 | |
| 54 | 2.88 | 1.71 | 1.29 | 2.49 | 1.20 | 2.37 | 2.74 | 4.49 | 4.26 | 2.42 | 1.00 | 1.94 | 28.87 |
| 55 | 2.39 | 3.31 | 1.27 | .91 | 2.81 | 3.01 | 2.31 | 2.17 | 2.27 | 1.39 | .64 | 3.33 | 28.37 |
| 56 | 2.68 | .42 | .92 | 2.48 | 1.80 | 2.31 | 2.49 | 3.72 | 1.76 | 2.22 | 1.89 | 1.05 | 23.44 |
| 57 | 1.33 | 4.01 | 2.94 | .94 | 1.56 | 3.30 | 1.06 | 2.04 | 7.84 | 1.42 | .82 | 1.73 | 29.21 |
| 58 | 3.88 | 3.00 | 1.23 | 1.23 | 2.66 | 3.96 | 2.30 | 3.38 | 1.16 | 1.39 | 1.28 | 3.10 | 32.84 |
| 59 | 1.90 | .09 | 1.42 | 1.86 | 1.29 | 1.63 | 1.30 | 3.22 | .02 | 1.30 | .89 | 3.13 | 18.25 |
| 60 | 1.97 | 2.27 | 1.19 | 1.21 | 2.09 | 1.32 | 2.92 | 3.39 | 1.42 | 3.00 | 3.23 | 2.27 | 29.38 |
| 61 | 3.07 | 1.61 | .77 | 1.86 | 2.48 | 4.48 | 3.38 | 1.45 | .98 | 2.11 | 1.36 | 1.94 | 23.46 |
| 62 | 1.99 | 2.36 | 2.27 | 1.72 | 2.11 | .26 | 2.09 | 1.07 | 2.42 | .33 | 1.31 | 2.04 | 20.36 |
| 63 | 1.23 | .80 | 3.48 | 1.16 | .36 | 2.81 | 2.08 | 3.34 | 1.48 | 1.83 | 3.17 | .13 | 23.87 |
| 64 | .24 | 1.12 | 1.87 | 1.49 | 1.40 | 1.21 | .48 | 1.66 | 2.17 | 2.00 | 3.08 | 1.33 | 19.17 |
| 65 | 3.38 | 1.01 | 2.80 | 2.79 | 2.88 | 4.16 | 3.81 | .48 | 3.31 | .23 | 3.16 | 6.14 | |
| 66 | 2.36 | 2.24 | 2.16 | 2.63 | 2.13 | 3.83 | 4.22 | 4.26 | .49 | 2.82 | 2.40 | 4.83 | 34.21 |
| 67 | 1.12 | 1.88 | 1.90 | 1.68 | 2.22 | 1.37 | 2.13 | 2.92 | 3.38 | 3.10 | 1.88 | 2.99 | 28.46 |
| 68 | 3.39 | 1.99 | 1.89 | 2.19 | 2.69 | 3.97 | 3.31 | 7.31 | 2.16 | 1.49 | .30 | 1.03 | 31.16 |
| 69 | 1.00 | 1.79 | 1.07 | 1.07 | 1.13 | 3.02 | 1.70 | 3.38 | .16 | .13 | 1.17 | .41 | 16.06 |
| 70 | 1.38 | 2.22 | .76 | 1.06 | 1.66 | .70 | 2.13 | .80 | 1.00 | 1.09 | 1.01 | 1.03 | 13.40 |
| 71 | 1.31 | .73 | .70 | .98 | 2.03 | 2.76 | .83 | 1.01 | .48 | .93 | 2.00 | .36 | 13.39 |
| 72 | .90 | .24 | 1.12 | 2.48 | 2.94 | 2.79 | 2.33 | 2.82 | .26 | .90 | 3.38 | .37 | 21.12 |
| MEAN | 2.122 | 1.837 | 1.673 | 1.744 | 2.039 | 2.636 | 2.329 | 3.018 | 2.103 | 1.661 | 1.361 | 2.034 | 24.638 |
| S D | 1.288 | 1.284 | .774 | .743 | .780 | 1.009 | 1.064 | 1.013 | 1.112 | .960 | 1.440 | 1.249 | 6.133 |
| TOTAL OBS. | 346 | 493 | 346 | 346 | 346 | 332 | 376 | 336 | 346 | 376 | 336 | 336 | 6348 |

NOTE * (BASED ON 4 FULL MONTHS)

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
FROM DAILY OBSERVATIONS

34056

SENBACH AB GERMANY

53-72

STATION

STATION NAME

YEARS

| PRECIP | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT
OF DAYS
WITH
MEASUR-
ABLE
AMTS | TOTAL
NO
OF
OBS | MONTHLY AMOUNTS
(INCHES) | | |
|---------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---|--------------------------|-----------------------------|----------|-------|
| | NONE | TRACE | 01 | 02-05 | 06-10 | 11-15 | 16-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 01-04 | 05-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75-84 | 85-94 | 95-100 | | | | | |
| SNOW
DEPTH | NONE | TRACE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | | | | |
| JAN | 58.4 | 18.0 | 10.7 | 8.4 | 3.1 | .7 | .4 | .2 | .2 | | | | | 23.6 | 550 | 6.1 | 19.3 | TRACE |
| FEB | 60.7 | 19.0 | 9.5 | 8.3 | 1.6 | .6 | .2 | .2 | | | | | | 20.4 | 496 | 4.2 | 13.0 | .0 |
| MAR | 75.4 | 14.1 | 4.4 | 3.7 | 1.2 | .4 | .4 | | | | | | | 10.3 | 346 | 2.4 | 8.3 | .0 |
| APR | 89.8 | 7.7 | 1.2 | .9 | .2 | | | | | | | | | 2.3 | 330 | .4 | 2.2 | .0 |
| MAY | 98.2 | 1.4 | | | | | | | | | | | | | 551 | TRACE | TRACE | .0 |
| JUN | 100.0 | | | | | | | | | | | | | | 533 | .0 | .0 | .0 |
| JUL | 100.0 | | | | | | | | | | | | | | 578 | .0 | .0 | .0 |
| AUG | 100.0 | | | | | | | | | | | | | | 591 | .0 | .0 | .0 |
| SEP | 100.0 | | | | | | | | | | | | | | 569 | .0 | .0 | .0 |
| OCT | 99.2 | .7 | | | | | | | | | | | | | 558 | TRACE | TRACE | .0 |
| NOV | 84.2 | 8.3 | 1.9 | 3.0 | 1.3 | .4 | .2 | .2 | | | | | | 7.2 | 330 | 2.4 | 10.3 | .0 |
| DEC | 68.4 | 21.4 | 8.0 | 3.0 | 1.1 | .4 | | | | | | | | 14.2 | 300 | 2.4 | 7.0 | TRACE |
| ANNUAL | 85.4 | 7.4 | 3.0 | 2.4 | .7 | .2 | .1 | .0 | .0 | | | | | 6.3 | 5592 | 17.0 | | |

DATA PROCESSING BRANCH
USAF/ETAC/OL A
AIR WEATHER SERVICE/MAC

EXTREME VALUES SNOWFALL

34056 SEMBACH AB GERMANY
STATION

53-72

FROM DATA GENERATION

YEARS

24 HOUR AMOUNTS IN INCHES

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|------------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-------|-------|-------|------------|
| 53 | | | | | | | | | | | | | |
| 54 | 2.8 | 1.4 | .2 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | .1 | 2.8 |
| 55 | 1.7 | 2.8 | 1.8 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | 1.9 | 2.8 |
| 56 | 3.3 | 1.8 | .0 | .9 | TRACE | .0 | .0 | .0 | .0 | .0 | 2.0 | .8 | 3.3 |
| 57 | 2.6 | .6 | .0 | .1 | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 2.6 |
| 58 | 3.2 | 6.4 | 3.2 | 1.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .4 | 6.4 |
| 59 | 3.5 | TRACE | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .8 | 3.5 |
| 60 | 1.6 | .4 | .0 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | 2.9 | 2.9 |
| 61 | 5.8 | 1.2 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.3 | .2 | 5.8 |
| 62 | TRACE | 2.4 | 3.2 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 4.8 | 1.2 | 4.8 |
| 63 | 2.1 | 1.5 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 2.1 |
| 64 | .7 | .9 | 1.1 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.8 | 1.8 |
| 65 | 1.7 | 1.0 | 3.3 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | .7 | 3.3 |
| 66 | 1.4 | .0 | 1.8 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.4 | 1.4 | 2.4 |
| 67 | 1.2 | .1 | .2 | .8 | .0 | .0 | .0 | .0 | .0 | .0 | 2.6 | 2.3 | 2.6 |
| 68 | .0 | 2.6 | 1.7 | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .2 |
| 69 | * 2.0 | 2.0 | TRACE | .2 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 1.2 | * 2.0 |
| 70 | * 1.1 | 2.7 | 2.0 | 1.4 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 | * 2.7 |
| 71 | * .1 | .9 | 4.3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.0 | .4 | * 4.3 |
| 72 | * 1.1 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.0 | TRACE | * 2.0 |
| MEAN | 2.31 | 1.97 | 1.33 | .32 | TRACE | .00 | .00 | .00 | .00 | TRACE | 1.21 | .77 | 2.37 |
| S.D. | 1.93 | 1.80 | 1.40 | .81 | .00 | .00 | .00 | .00 | .00 | .00 | 1.83 | .62 | 1.80 |
| TOTAL OBS. | 980 | 676 | 240 | 220 | 221 | 222 | 270 | 271 | 269 | 222 | 220 | 240 | 692 |

NOTE * (BASED ON 4 FULL MONTHS)

DATA PROCESSING BRANCH
USAF/ETAC/OL A
AIR WEATHER SERVICE/VAC

EXTREME VALUES

MONTHLY SNOWFALL

34056 SENBACH AB GERMANY
STATION STATION NAME

52-72

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-------|---------|---------|---------|---------|------|------|------|---------|---------|---------|---------|------------|
| 53 | | | | | | * | .0 | .0 | .0 | .0 | TRACE | .1 | |
| 54 | 12.8 | 2.1 | .2 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 14.8 |
| 55 | 7.9 | 13.5 | 5.1 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | 3.1 | 29.0 |
| 56 | 6.7 | 9.2 | .0 | 1.2 | TRACE | .0 | .0 | .0 | .0 | .0 | 2.0 | 2.0 | 19.4 |
| 57 | 7.4 | .6 | .0 | .1 | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 8.1 |
| 58 | 6.4 | 13.0 | 9.2 | 2.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 32.8 |
| 59 | 8.3 | TRACE | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .8 | 9.1 |
| 60 | 4.0 | 1.0 | .0 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | 6.4 | 12.0 |
| 61 | 9.3 | 1.8 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.3 | 12.9 |
| 62 | TRACE | 6.2 | 6.6 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 10.8 | 2.0 | 26.3 |
| 63 | 6.7 | 6.7 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.4 | 14.8 |
| 64 | .9 | 2.2 | 2.4 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 6.7 | 12.2 |
| 65 | 9.9 | 6.1 | 5.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 7.1 | 2.1 | 31.0 |
| 66 | 3.9 | .0 | 3.2 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 8.2 | 4.0 | 19.9 |
| 67 | 4.0 | .9 | .2 | 1.2 | .0 | .0 | .0 | .0 | .0 | .0 | 2.9 | 7.0 | 15.6 |
| 68 | 19.2 | 3.2 | 4.2 | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .9 | |
| 69 | * 3.0 | * 7.8 | * TRACE | * TRACE | * TRACE | * .0 | * .0 | * .0 | * .0 | * .0 | * 1.7 | * 2.7 | * 19.7 |
| 70 | * 2.2 | * 2.2 | * 2.0 | * 2.2 | * TRACE | * .0 | * .0 | * .0 | * .0 | * .0 | * .0 | * 2.1 | * 17.7 |
| 71 | * .1 | * 1.0 | * 6.0 | * .0 | * .0 | * .0 | * .0 | * .0 | * .0 | * .0 | * 6.2 | * .4 | * 14.2 |
| 72 | * 2.4 | * TRACE | * .0 | * .0 | * .0 | * .0 | * .0 | * .0 | * TRACE | * TRACE | * TRACE | * TRACE | * 8.0 |
| MEAN | 6.12 | 4.22 | 2.44 | .42 | TRACE | .00 | .00 | .00 | .00 | TRACE | 2.22 | 2.29 | 17.41 |
| S.D. | 4.62 | 4.00 | 2.22 | .72 | .00 | .00 | .00 | .00 | .00 | .00 | 2.27 | 2.22 | 7.61 |
| TOTAL OBS | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 2220 |

NOTE * (BASED ON 4 FULL MONTHS)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
FROM DAILY OBSERVATIONS

34096 SEMBACH AB GERMANY
STATION STATION NAME

53-72

YEARS

| PRECIP | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT
OF DAYS
WITH
MEASUR-
ABLE
AMTS | TOTAL
NO
OF
OBS | MONTHLY AMOUNTS
INCHES | | |
|---------------|------------------|-------|-------|-------|-------|-------|-------|--------|---------|---------|----------|-----------|-----------|---|--------------------------|---------------------------|----------|-------|
| | NONE | TRACE | 01 | 02-05 | 06-10 | 11-25 | 26-50 | 51-100 | 101-250 | 251-500 | 501-1000 | 1001-2000 | OVER 2000 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 01-04 | 05-14 | 15-24 | 25-34 | 35-44 | 45-64 | 65-104 | 105-154 | 155-254 | 255-504 | OVER 504 | | | | | |
| SNOW
DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-70 | OVER 70 | | | | | |
| JAN | 68.2 | 8.2 | 7.4 | 6.9 | 6.0 | 5.8 | 3.1 | | | | | | | 28.6 | 552 | | | |
| FEB | 69.2 | 7.0 | 3.4 | 5.1 | 5.1 | 7.6 | 2.5 | | | | | | | 23.7 | 472 | | | |
| MAR | 82.1 | 6.1 | 3.1 | 2.9 | 2.3 | 1.8 | .2 | | | | | | | 9.8 | 320 | | | |
| APR | 99.4 | .4 | | .2 | | | | | | | | | | .2 | 306 | | | |
| MAY | 100.0 | | | | | | | | | | | | | | 351 | | | |
| JUN | 100.0 | | | | | | | | | | | | | | 337 | | | |
| JUL | 100.0 | | | | | | | | | | | | | | 379 | | | |
| AUG | 100.0 | | | | | | | | | | | | | | 391 | | | |
| SEP | 100.0 | | | | | | | | | | | | | | 368 | | | |
| OCT | 100.0 | | | | | | | | | | | | | | 384 | | | |
| NOV | 95.8 | 2.7 | 1.4 | 1.1 | .4 | .4 | | | | | | | | 3.3 | 330 | | | |
| DEC | 80.1 | 9.5 | 3.3 | 3.4 | .5 | .4 | .4 | | | | | | | 10.4 | 368 | | | |
| ANNUAL | 90.7 | 3.0 | 1.7 | 1.7 | 1.2 | 1.2 | .5 | | | | | | | 6.3 | 6878 | | | |

DATA PROCESSING BRANCH
USAF/ETAC/OL A
AIR WEATHER SERVICE/MAC

EXTREME VALUES SNOW DEPTH

34056

SENBACH AB GERMANY
STATION NAME

33-72

YEAR

DAILY SNOW DEPTH IN INCHES

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|-----------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 53 | | | | | | | | | | | | | |
| 54 | 8 | 1 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 55 | 2 | 11 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 56 | 9 | 6 | 1 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 57 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 58 | 4 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 59 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 60 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 61 | 7 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 62 | TRACE | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 63 | 4 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 64 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MEAN | 2.8 | 2.8 | 1.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.1 |
| S.D. | 2.0 | 2.0 | 1.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.1 |
| TOTAL OBS | 281 | 281 | 281 | 281 | 281 | 281 | 281 | 281 | 281 | 281 | 281 | 281 | 281 |

NOTE: * (BASED ON 6 FULL MONTHS)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 30% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders.

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

AIR -EATER SERVICE/AC

SURFACE LINES

SENBACH AM GERMANY

41-72

DAILY PEAK GLSTS IN KNOTS

[illegible]

USAF ETAC FORM 0-88-5 (OUL)

• (BASED ON 4 FULL MONTHS AND 4100 KNOTS)

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/WWC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056 STATION 53-72

SENBACH AB GERMANY

ALL WEATHER

YEARS

ALL MONTHS

ALL

LOCATION

| SPEED
KNTS
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | MEAN
AND
SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|----------------------|
| N | .8 | 1.4 | 1.0 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.5 |
| NNE | .7 | 1.1 | .6 | .2 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | 2.8 |
| NE | 1.5 | 3.5 | 2.9 | 1.2 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | 9.2 |
| ENE | 1.2 | 2.7 | 2.3 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 7.1 |
| E | .9 | 1.7 | 1.4 | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.4 |
| ESE | .3 | .4 | .3 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.1 |
| SE | .4 | .4 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 |
| SSE | .4 | .4 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 |
| S | 1.1 | 1.1 | .6 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.9 |
| SSW | .8 | 1.2 | 1.1 | .6 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | 3.8 |
| SW | 1.0 | 2.8 | 4.0 | 3.7 | 1.0 | .4 | .0 | .0 | .0 | .0 | .0 | 13.0 |
| WSW | .9 | 2.4 | 4.0 | 4.0 | .9 | .3 | .1 | .0 | .0 | .0 | .0 | 12.6 |
| W | .9 | 2.3 | 3.2 | 2.4 | .4 | .1 | .0 | .0 | .0 | .0 | .0 | 9.4 |
| WNW | .3 | .6 | .5 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.7 |
| NW | .3 | .7 | .6 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.8 |
| NNW | .3 | .9 | .7 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.4 |
| VARBL | .8 | .3 | .3 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.9 |
| CALM | | | | | | | | | | | | 20.4 |
| | 12.7 | 24.1 | 23.9 | 14.8 | 2.9 | .9 | .1 | .0 | .0 | .0 | .0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

147337

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SE-BACH AB GERMANY
STATION STATION NAME

54-72

ALL WEATHER
CLASS

ALL
HOURS

| SPEED
KNTS
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-51 | 52-55 | MEAN
WIND
SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------|
| N | .9 | 1.2 | .0 | .3 | .0 | .0 | | | | | | 2.9 |
| NNE | .8 | 1.1 | .0 | .4 | .3 | .1 | | | | | | 2.7 |
| NE | 1.6 | 4.3 | 3.6 | 2.0 | .2 | .0 | | .0 | | | | 3.2 |
| ENE | 1.5 | 3.2 | 3.0 | 1.4 | .2 | .0 | | | | | | 11.8 |
| E | 1.0 | 2.2 | 1.7 | .6 | .1 | .0 | | | | | | 9.5 |
| ESE | .3 | .3 | .2 | .1 | | | | | | | | 5.6 |
| SE | .3 | .2 | .1 | .0 | | | | | | | | 1.0 |
| SSE | .2 | .3 | .1 | .0 | | | | | | | | .6 |
| S | .9 | .8 | .5 | .3 | .0 | .0 | | | | | | 2.6 |
| SSW | .8 | 1.4 | 1.5 | 1.0 | .3 | .1 | .0 | | | | | 2.6 |
| SW | .9 | 2.9 | 4.7 | 6.2 | 2.3 | 1.3 | .1 | | | | | 3.1 |
| WSW | .8 | 2.1 | 3.9 | 5.0 | 1.6 | .5 | .1 | | | | | 18.6 |
| W | .6 | 1.2 | 2.1 | 1.7 | .4 | .2 | .0 | | | | | 14.0 |
| WNW | .2 | .2 | .3 | .2 | .0 | .0 | .0 | .0 | | | | 6.2 |
| NW | .2 | .2 | .3 | .1 | .0 | .0 | .0 | | | | | 1.1 |
| NNW | .4 | .4 | .3 | .1 | .0 | .0 | .0 | | | | | .9 |
| VARBL | .7 | .3 | .0 | .2 | .1 | .0 | .0 | | | | | 1.3 |
| CALM | | | | | | | | | | | | 14.0 |
| | 11.9 | 22.5 | 23.6 | 19.7 | 5.5 | 2.6 | .2 | .0 | | | | 100.0 |
| | | | | | | | | | | | | 7.7 |

TOTAL NUMBER OF OBSERVATIONS

12207

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

94-72
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
WINDS LIST

CONDITION

| SPEED
KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | 1.2 | 1.1 | .2 | .0 | | | | | | | 1.4 | 2.8 |
| NNE | .7 | 1.2 | .9 | .7 | .3 | .1 | | | | | | 1.8 | 3.3 |
| NE | 1.9 | 4.9 | 4.8 | 2.6 | .6 | .2 | .0 | | | | | 13.0 | 7.9 |
| ENE | 1.2 | 3.1 | 2.5 | .8 | .1 | .0 | | | | | | 7.8 | 6.5 |
| E | .8 | 1.3 | .9 | .3 | .0 | | | | | | | 3.3 | 6.0 |
| ESE | .3 | .3 | .1 | .0 | | | | | | .0 | | .7 | 3.2 |
| SE | .3 | .2 | .1 | | | | | | | | | .7 | 4.2 |
| SSE | .3 | .3 | .1 | .0 | | | | | | | | .7 | 4.2 |
| S | .8 | 1.0 | .5 | .2 | .1 | .0 | | | | | | 2.7 | 3.9 |
| SSW | .8 | 1.2 | 1.3 | .9 | .1 | .0 | | | | | | 4.4 | 7.5 |
| SW | .8 | 2.5 | 3.5 | 4.5 | 1.6 | .6 | .1 | .0 | | | | 13.2 | 11.1 |
| WSW | .7 | 1.4 | 2.9 | 3.0 | 1.6 | .8 | .1 | .0 | | | | 12.2 | 11.9 |
| W | .8 | 2.0 | 2.8 | 2.5 | .5 | .1 | .0 | .0 | | | | 8.7 | 9.6 |
| WNW | .3 | .4 | .4 | .4 | .1 | .0 | | | | | | 1.8 | 3.3 |
| NW | .3 | .6 | .4 | .4 | .1 | | .0 | | | | | 1.8 | 7.0 |
| NNW | .4 | .9 | .6 | .3 | .0 | | .0 | | | | | 2.4 | 7.0 |
| VARBL | .5 | .1 | .1 | .0 | | | | | | | | .8 | 4.2 |
| CALM | | | | | | | | | | | | 16.0 | |
| | 11.9 | 22.7 | 22.1 | 18.7 | 4.8 | 1.8 | .3 | .0 | | .0 | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS 11013

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEMBACH AB GERMANY 56-72 VAR
STATION STATION NAME YEARS MONTH
ALL WEATHER ALL
CLASS HOURS OF DAY
CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | 1.4 | 1.0 | .3 | .0 | | | | | | | 3.4 | 6.1 |
| NNE | .8 | 1.3 | .7 | .3 | .1 | .1 | | | | | | 3.3 | 6.7 |
| NE | 1.2 | 3.6 | 4.4 | 2.2 | .1 | .1 | | | | | | 11.9 | 8.1 |
| ENE | 1.0 | 3.2 | 3.5 | 1.4 | .1 | | | | | | | 9.2 | 7.4 |
| E | .9 | 1.7 | 2.1 | .7 | .0 | .0 | | | | | | 5.5 | 7.1 |
| ESE | .3 | .4 | .4 | .2 | | | | | | | | 1.3 | 6.6 |
| SE | .2 | .2 | .1 | .1 | .0 | | | | | | | .8 | 5.9 |
| SSE | .4 | .4 | .2 | .0 | .0 | .0 | | | | | | 1.0 | 5.9 |
| S | .9 | .9 | .6 | .3 | .1 | .0 | .0 | | | | | 2.8 | 6.3 |
| SSW | .5 | .8 | .9 | .5 | .0 | .0 | .0 | | | | | 2.7 | 7.4 |
| SW | .8 | 1.7 | 3.7 | 3.3 | .7 | .2 | .0 | | | | | 9.5 | 10.1 |
| WSW | .7 | 1.7 | 3.4 | 4.2 | 1.1 | .5 | .1 | | | | | 11.7 | 11.1 |
| W | .8 | 2.3 | 3.5 | 3.1 | .6 | .2 | .0 | | | | | 10.4 | 9.4 |
| WNW | .2 | .6 | .7 | .4 | .0 | | | | | | | 1.8 | 7.7 |
| NW | .3 | .9 | .7 | .4 | .0 | .0 | | | | | | 2.3 | 7.2 |
| NNW | .5 | 1.2 | .7 | .3 | .0 | | | | | | | 2.8 | 6.4 |
| VARBL | .5 | .4 | .3 | .1 | .0 | | | | | | | 1.3 | 5.1 |
| CALM | | | | | | | | | | | | 18.9 | |
| | 10.7 | 22.8 | 25.9 | 17.8 | 3.3 | 1.1 | .1 | | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS 12222

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEMBACH AB GERMANY

26-72

APR

ALL WEATHER

ALL

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .9 | 2.8 | 2.4 | 1.0 | .1 | | | | | | | 7.0 | 7.1 |
| NNE | .7 | 1.3 | 1.4 | .5 | .1 | | | | | | | 2.9 | 7.0 |
| NE | 1.1 | 3.4 | 3.7 | 2.1 | .2 | .0 | | | | | | 10.6 | 7.8 |
| ENE | .8 | 1.9 | 2.6 | 1.4 | .0 | | | | | | | 6.7 | 7.7 |
| E | .8 | 1.2 | .9 | .4 | .0 | | | | | | | 3.4 | 6.4 |
| ESE | .2 | .4 | .2 | .2 | | | | | | | | 1.0 | 6.3 |
| SE | .2 | .2 | .2 | .0 | | | | | | | | .8 | 4.9 |
| SSE | .4 | .2 | .1 | .0 | | | | | | | | .9 | 4.2 |
| S | .4 | .9 | .4 | .1 | | | | | | | | 2.2 | 4.9 |
| SSW | .7 | 1.2 | .8 | .4 | .1 | .0 | | | | | | 2.2 | 6.0 |
| SW | .9 | 2.4 | 3.0 | 2.6 | .6 | .2 | | | | | | 9.7 | 9.3 |
| WSW | 1.1 | 1.9 | 3.9 | 3.3 | .7 | .1 | .0 | | | | | 11.2 | 9.6 |
| W | .9 | 2.2 | 3.2 | 2.6 | .5 | .1 | | | | | | 9.6 | 9.0 |
| WNW | .4 | .6 | .6 | .4 | .0 | | | | | | | 2.0 | 6.9 |
| NW | .4 | .9 | .9 | .5 | .1 | .0 | | | | | | 2.4 | 7.6 |
| NNW | .6 | 1.4 | 1.9 | 1.0 | .1 | | | | | | | 3.1 | 7.7 |
| VARBL | .7 | .0 | .3 | .1 | .0 | | | | | | | 1.7 | 4.8 |
| CALM | | | | | | | | | | | | 16.3 | |
| | 11.7 | 23.7 | 26.7 | 16.8 | 2.4 | .4 | .0 | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 11816

1

DATA PROCESSING BRANCH
BTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATIONSEMBACH AB GERMANY
STATION NAME54-72
YEARSMAY
MONTHALL WEATHER
CLASSALL
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.8 | 1.7 | .6 | .0 | .0 | | | | | | 5.2 | 6.7 |
| NNE | .8 | 1.3 | .9 | .2 | .0 | | | | | | | 3.4 | 3.8 |
| NE | 1.3 | 3.2 | 3.4 | 1.4 | .1 | | | | | | | 9.3 | 7.2 |
| ENE | .8 | 2.3 | 2.5 | 1.0 | .0 | .0 | | | | | | 6.7 | 7.2 |
| E | .8 | 1.8 | 1.5 | .6 | .2 | .1 | | | | | | 4.7 | 7.3 |
| ESE | .3 | .4 | .5 | .1 | | | | | | | | 1.3 | 6.2 |
| SE | .4 | .3 | .2 | .1 | .0 | | | | | | | 1.0 | 3.2 |
| SSE | .4 | .3 | .2 | .1 | | | | | | | | .9 | 3.3 |
| S | 1.1 | 1.0 | .4 | .1 | | .0 | | | | | | 2.6 | 4.6 |
| SSW | .8 | 1.0 | .7 | .4 | .1 | .0 | .0 | | | | | 3.0 | 4.9 |
| SW | 1.0 | 2.1 | 2.8 | 2.3 | .3 | .1 | | | | | | 8.9 | 9.1 |
| WSW | 1.0 | 2.3 | 3.9 | 3.1 | .3 | .1 | .0 | | | | | 11.1 | 9.1 |
| W | 1.2 | 2.9 | 3.7 | 2.9 | .4 | .1 | | .0 | | | | 11.2 | 8.6 |
| WNW | .4 | .8 | .7 | .2 | .0 | .0 | | | | | | 2.2 | 6.8 |
| NW | .3 | 1.1 | 1.0 | .4 | .0 | | | | | | | 2.8 | 7.1 |
| NNW | .6 | 1.0 | 1.2 | .3 | .0 | | | | | | | 3.4 | 7.0 |
| VARBL | 1.0 | .6 | .2 | .1 | | | | | | | | 1.9 | 3.9 |
| CALM | | | | | | | | | | | | 20.3 | |
| | 13.0 | 24.4 | 23.7 | 13.9 | 1.9 | .3 | .0 | .0 | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS

12207

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AF GERMANY
STATION NAME

54-72
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURLY

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.0 | 1.7 | .3 | | | | | | | | 4.4 | 4.3 |
| NNE | .7 | .2 | .3 | .3 | .0 | | | | | | | 3.1 | 3.7 |
| NE | 1.2 | 3.2 | 2.4 | .8 | .0 | | | | | | | 7.1 | 5.6 |
| ENE | 1.1 | 2.1 | 2.0 | .8 | .0 | | | | | | | 3.1 | 5.5 |
| E | .7 | 1.3 | 1.2 | .6 | .3 | | | | | | | 3.6 | 6.8 |
| ESE | .3 | .4 | .2 | .1 | | | | | | | | 1.1 | 2.8 |
| SE | .5 | .4 | .1 | .1 | | | | | | | | 1.1 | 4.7 |
| SSE | .3 | .4 | .2 | .1 | | | | | | | | 1.1 | 3.2 |
| S | 1.0 | 1.1 | .4 | .1 | .0 | .0 | | | | | | 2.1 | 4.5 |
| SSW | .7 | 1.2 | .8 | .2 | .0 | .0 | | | | | | 3.1 | 6.1 |
| SW | 1.0 | 2.7 | 3.2 | 2.1 | .2 | .0 | | | | | | 9.1 | 8.1 |
| WSW | 1.1 | 2.7 | 3.6 | 2.4 | .3 | .0 | .0 | | | | | 12.7 | 8.5 |
| W | .3 | .3 | 4.5 | 3.3 | .3 | | | | | | | 13.1 | 8.4 |
| WNW | .4 | 1.1 | .7 | .4 | .0 | | | | | | | 2.5 | 6.9 |
| NW | .3 | 1.3 | .6 | .3 | .0 | | | | | | | 2.5 | 6.8 |
| NNW | .6 | 1.4 | 1.2 | .3 | .0 | | | | | | | 3.8 | 6.4 |
| VARBL | 1.1 | .6 | .3 | .1 | .0 | | | | | | | 2.1 | 4.4 |
| CALM | | | | | | | | | | | | 22.8 | |
| | 13.4 | 25.8 | 24.3 | 12.5 | 1.1 | .1 | .0 | | | | | 100.0 | 8.9 |

TOTAL NUMBER OF OBSERVATIONS 11769

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056 SEYBACH AB GERMANY

53-72

JUL

MONTH

ALL

HOURS OF DAY

ALL WEATHER

CLASS

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .9 | 2.0 | 1.2 | .2 | .0 | | | | | | | 4.3 | 5.8 |
| NNE | .8 | .9 | .4 | .1 | | | | | | | | 2.0 | 5.0 |
| NE | 1.0 | 2.1 | 1.3 | .3 | .0 | | | | | | | 4.9 | 6.1 |
| ENE | .9 | 1.6 | .9 | .1 | | | | | | | | 3.3 | 5.3 |
| E | .8 | 1.1 | .7 | .1 | | | | | | | | 2.4 | 5.4 |
| ESE | .2 | .3 | .2 | .0 | | | | | | | | .7 | 5.1 |
| SE | .2 | .3 | .1 | .0 | | | | | | | | .7 | 4.7 |
| SSE | .4 | .2 | .1 | | | | | | | | | .7 | 4.2 |
| S | 1.0 | .8 | .4 | .0 | | | | | | | | 2.1 | 4.4 |
| SSW | .9 | 1.2 | 1.0 | .3 | .0 | | | | | | | 3.3 | 6.4 |
| SW | 1.1 | 3.6 | 4.2 | 2.6 | .3 | .2 | .0 | | | | | 12.2 | 8.6 |
| WSW | 1.1 | 3.1 | 3.1 | 3.3 | .6 | .1 | | | | | | 13.3 | 9.0 |
| W | 1.2 | 3.3 | 3.1 | 3.3 | .4 | .1 | | | | | | 13.6 | 8.3 |
| WNW | .8 | 1.1 | 1.1 | .3 | .1 | .0 | | | | | | 3.4 | 7.1 |
| NW | .3 | 1.0 | 1.0 | .2 | .0 | | | | | | | 2.7 | 6.4 |
| NNW | .3 | 1.1 | 1.1 | .2 | .0 | | | | | | | 3.0 | 6.4 |
| VARBL | 1.3 | 1.0 | .3 | .0 | | | | | | | | 3.0 | 4.1 |
| CALM | | | | | | | | | | | | 23.7 | |
| | 13.3 | 24.9 | 24.3 | 11.7 | 1.6 | .4 | .0 | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS 13030

DATA PROCESSING BRANCH
 RTAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34056 SENBACH AB GERMANY 53 72 AND
 STATION NAME YEARS MONTH
ALL WEATHER ALL
 CLASS HOURS LL & Y

CONDITION

| SPEED
KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | 1.0 | .5 | .1 | | | | | | | | 2.3 | 3.1 |
| NNE | .7 | 1.0 | .4 | .1 | | | | | | | | 2.2 | 4.9 |
| NE | 1.2 | 2.5 | 1.5 | .4 | | | | | | | | 3.6 | 3.7 |
| ENE | .8 | 1.7 | 1.4 | .4 | | | | | | | | 4.2 | 6.0 |
| E | .7 | 1.3 | .7 | .2 | | | | | | | | 3.0 | 3.6 |
| ESE | .4 | .8 | .3 | .1 | | | | | | | | .9 | 3.2 |
| SE | .5 | .6 | .4 | .1 | | | | | | | | 1.5 | 3.3 |
| SSE | .5 | .4 | .2 | .1 | .0 | | | | | | | 1.2 | 3.0 |
| S | 1.5 | 1.4 | .6 | .2 | | | | | | | | 3.8 | 4.8 |
| SSW | 1.0 | 1.4 | 1.2 | .8 | .0 | .0 | | | | | | 4.2 | 6.5 |
| SW | 1.3 | 3.3 | 4.4 | 3.0 | .9 | 1.1 | .0 | | | | | 12.7 | 8.7 |
| WSW | 1.0 | 3.4 | 3.7 | 4.0 | .6 | 1.2 | .0 | | | | | 15.0 | 9.3 |
| W | .9 | 3.0 | 4.1 | 2.7 | .8 | 1.1 | .0 | .0 | | | | 11.2 | 8.6 |
| WNW | .4 | .7 | .8 | .2 | .0 | | | | | | | 1.8 | 6.3 |
| NW | .4 | .7 | .6 | .1 | .0 | | | | | | | 2.1 | 3.8 |
| NNW | .3 | .7 | .6 | .0 | | | | | | | | 1.8 | 3.3 |
| VARBL | 1.8 | 1.2 | .8 | .2 | .0 | | | | | | | 3.2 | 4.9 |
| CALM | | | | | | | | | | | | 23.3 | |
| | 14.0 | 24.8 | 29.2 | 12.3 | 1.7 | .9 | .1 | .0 | | | | 100.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS 13385

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SEMDACH AB GERMANY
STATION NAME

53-72
YEAR

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

UNIT: %

| SPEED
KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 0.7 | 1.0 | 0.3 | 0.0 | 0.0 | | | | | | | 2.1 | 4.8 |
| NNE | 0.7 | 0.9 | 0.4 | 0.0 | | | | | | | | 2.0 | 4.8 |
| NE | 1.7 | 3.6 | 2.5 | 0.3 | | | | | | | | 8.1 | 8.7 |
| ENE | 1.4 | 3.2 | 2.4 | 0.3 | | | | | | | | 7.3 | 6.0 |
| E | 0.7 | 1.3 | 1.3 | 0.4 | | | | | | | | 4.1 | 6.4 |
| ESE | 0.4 | 0.4 | 0.4 | 0.1 | | | | | | | | 1.2 | 6.1 |
| SE | 0.5 | 0.5 | 0.2 | 0.0 | | | | | | | | 1.2 | 6.3 |
| SSE | 0.5 | 0.4 | 0.3 | | | | | | | | | 1.2 | 6.3 |
| S | 1.1 | 1.3 | 0.7 | 0.1 | | 0.0 | | | | | | 3.2 | 6.8 |
| SSW | 0.8 | 1.4 | 1.2 | 0.3 | 0.1 | 0.0 | 0.0 | | | | | 4.1 | 6.8 |
| SW | 1.1 | 3.0 | 4.4 | 2.9 | 0.7 | 0.3 | 0.0 | 0.0 | | | | 12.5 | 9.3 |
| WSW | 0.8 | 2.4 | 4.0 | 4.1 | 0.7 | 0.3 | 0.0 | 0.0 | | | | 12.7 | 9.8 |
| W | 0.8 | 2.1 | 2.8 | 3.1 | 0.4 | 0.0 | 0.0 | 0.0 | | | | 8.4 | 8.7 |
| WNW | 0.3 | 0.4 | 0.4 | 0.1 | 0.1 | 0.0 | 0.0 | | | | | 1.2 | 7.3 |
| NW | 0.2 | 0.4 | 0.4 | 0.1 | 0.0 | | | | | | | 1.1 | 6.4 |
| NNW | 0.4 | 0.6 | 0.2 | 0.0 | | | | | | | | 1.2 | 6.7 |
| VARBL | 1.1 | 0.7 | 0.4 | 0.1 | | | | | | | | 2.3 | 6.6 |
| CALM | | | | | | | | | | | | 25.9 | |
| | 13.6 | 23.7 | 23.0 | 11.4 | 2.0 | 0.0 | 0.1 | 0.0 | | | | 100.0 | 8.4 |

TOTAL NUMBER OF OBSERVATIONS 12880

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34056 SEMBACH AB GERMANY STATION NAME 53-72 YEARS OCT MONTH ALL HOUR 11 5 T
CLASS ALL WEATHER
CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .6 | 1.0 | .6 | .1 | .0 | | | | | | | 2.2 | 2.0 |
| NNE | .8 | 1.1 | .5 | .1 | .0 | | | | | | | 2.4 | 2.0 |
| NE | 1.5 | 3.6 | 2.0 | .4 | .0 | | | | | | | 8.0 | 3.7 |
| ENE | 1.5 | 3.6 | 2.1 | .4 | .0 | .0 | | | | | | 7.8 | 3.9 |
| E | 1.0 | 1.9 | 1.4 | .2 | .0 | | | | | | | 4.6 | 2.7 |
| ESE | .3 | .2 | .2 | .0 | | | | | | | | .8 | 2.3 |
| SE | .3 | .4 | .2 | .0 | | | | | | | | 1.0 | 4.9 |
| SSE | .4 | .3 | .1 | .0 | | | | | | | | .9 | 4.2 |
| S | 1.3 | 1.0 | .7 | .2 | .0 | | | | | | | 3.3 | 3.3 |
| SSW | .9 | 1.3 | 1.2 | .7 | .2 | .0 | | | | | | 4.2 | 7.6 |
| SW | 1.2 | 3.3 | 4.6 | 4.2 | .8 | .1 | .0 | | | | | 16.4 | 9.3 |
| WSW | 1.0 | 2.6 | 4.3 | 3.4 | .6 | .2 | | | | | | 12.2 | 9.3 |
| W | .8 | 2.1 | 2.2 | 1.1 | .2 | .0 | | | | | | 6.4 | 7.6 |
| WNW | .3 | .4 | .2 | .2 | | | | | | | | 1.2 | 6.8 |
| NW | .2 | .4 | .4 | .1 | .0 | | | | | | | 1.1 | 6.6 |
| NNW | .3 | .4 | .2 | .1 | | | | | | | | 1.2 | 3.8 |
| VARBL | .8 | .4 | .4 | .2 | .0 | | | | | | | 1.9 | 3.9 |
| CALM | | | | | | | | | | | | 26.4 | |
| | 13.6 | 24.2 | 21.0 | 11.4 | 2.0 | .4 | .0 | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS 12702

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEMBACH AB GERMANY

22-72

ADY
NORTH

ALL WEATHER
CLASS

ALL
HOURS . L . S . Y .

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .9 | 1.2 | .6 | .1 | | | | | | | | 2.8 | 2.1 |
| NNE | .9 | 1.2 | .3 | .2 | | | | | | | | 2.7 | 4.9 |
| NE | 1.9 | 4.6 | 3.6 | 1.2 | .0 | | | | | | | 11.4 | 6.3 |
| ENE | 1.8 | 3.5 | 3.9 | 1.0 | .0 | | | | | | | 9.9 | 6.3 |
| E | 1.3 | 2.4 | 1.9 | .6 | | | | | | | | 6.1 | 6.1 |
| ESE | .4 | .7 | .3 | .1 | | | | | | | | 1.4 | 3.6 |
| SE | .4 | .6 | .4 | .1 | .0 | | | | | | | 1.3 | 3.6 |
| SSE | .4 | .5 | .2 | .1 | | | | | | | | 1.3 | 3.6 |
| S | 1.2 | 1.4 | 1.0 | .2 | .0 | | | | | | | 3.8 | 3.6 |
| SSW | .8 | 1.1 | 1.4 | .7 | .2 | .0 | | | | | | 4.2 | 7.6 |
| SW | 1.2 | 3.4 | 4.7 | 4.7 | 1.2 | .0 | .1 | .0 | | | | 16.0 | 10.2 |
| WSW | .9 | 2.2 | 3.1 | 2.6 | .9 | .4 | .1 | .0 | | | | 11.1 | 10.4 |
| W | .8 | 1.6 | 1.9 | 1.3 | .3 | .1 | .0 | .0 | | | | 5.9 | 8.6 |
| WNW | .3 | .4 | .2 | .0 | .0 | | | | | | | .9 | 3.6 |
| NW | .2 | .4 | .3 | .1 | | | | | | | | .9 | 3.8 |
| NNW | .3 | .7 | .3 | .1 | .0 | | | | | | | 1.4 | 6.1 |
| VARBL | .4 | .1 | .1 | .4 | .2 | .0 | | | | | | 1.3 | 9.9 |
| CALM | | | | | | | | | | | | 18.3 | |
| | 13.7 | 26.2 | 23.1 | 14.5 | 3.0 | 1.1 | .2 | .0 | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 11992

DATA PROCESSING BRANCH
BTAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

22-72

REC

ALL WEATHER
CLASS

ALL

| SPEED
KNTS
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | MEAN
WIND
SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------|
| N | 0.0 | 0.0 | 0.7 | 1.1 | 0.0 | | | | | | 2.2 | 3.9 |
| NNE | 0.0 | 0.0 | 0.4 | 1.2 | 0.0 | | | | | | 2.0 | 3.4 |
| NE | 1.7 | 3.3 | 2.2 | 0.0 | 0.0 | | | | | | 0.0 | 0.1 |
| ENE | 1.7 | 3.3 | 2.2 | 0.6 | 0.0 | | | | | | 7.3 | 0.1 |
| E | 1.7 | 2.2 | 2.3 | 1.2 | 0.0 | | | | | | 0.0 | 3.9 |
| ESE | 0.0 | 0.0 | 0.3 | 1.1 | 0.0 | | | | | | 1.2 | 3.7 |
| SE | 0.0 | 0.0 | 1.2 | 1.1 | 0.0 | | | | | | 1.0 | 3.1 |
| SSE | 0.0 | 0.0 | 1.1 | 1.1 | 0.0 | | | | | | 0.0 | 4.8 |
| S | 0.0 | 1.1 | 0.0 | 1.2 | 0.0 | | | | | | 0.0 | 3.7 |
| SSW | 0.0 | 1.1 | 1.2 | 1.0 | 2.2 | | | | | | 4.4 | 7.8 |
| SW | 0.0 | 3.0 | 3.3 | 0.7 | 2.1 | 0.0 | 0.2 | 0.1 | 0.0 | | 19.1 | 11.9 |
| WSW | 0.0 | 2.2 | 3.7 | 3.6 | 2.1 | 0.0 | 0.1 | 0.0 | 0.0 | | 12.9 | 12.1 |
| W | 0.0 | 1.3 | 2.3 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 10.0 |
| WNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1.1 | 0.0 |
| NW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1.0 | 0.1 |
| NNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1.0 | 0.0 |
| VARBL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1.1 | 3.4 |
| CALM | | | | | | | | | | | 15.9 | |
| | 11.9 | 23.2 | 22.9 | 18.2 | 8.2 | 1.9 | 0.2 | 0.1 | 0.0 | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 12414

1
DATA PROCESSING UNIT
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

38058
STATION

SENBACH AB GERMANY
STATION NAME

54-68

WAT

ALL WEATHER
TIME

0000-0200

DATE

| SPEED
KNTS
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | N | MEAN
WIND
SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | .3 | .2 | .4 | .4 | | | | | | | | 2.0 | 6.4 |
| NNE | .9 | .6 | .5 | .5 | .2 | | | | | | | 2.0 | 7.0 |
| NE | 2.3 | 4.2 | 3.5 | 2.2 | .2 | | | | | | | 12.5 | 7.2 |
| ENE | 1.5 | 2.7 | 3.2 | 1.7 | .1 | .1 | | | | | | 8.2 | 7.6 |
| E | .6 | 1.9 | 1.4 | .4 | .1 | | | | | | | 4.4 | 6.8 |
| ESE | .2 | .2 | .1 | .1 | | | | | | | | .9 | 5.6 |
| SE | .2 | .1 | | | | | | | | | | .4 | 3.0 |
| SSE | .1 | .2 | .1 | .1 | | | | | | | | .3 | 6.3 |
| S | 1.0 | .9 | .5 | | .1 | | | | | | | 2.4 | 8.2 |
| SSW | 1.1 | 1.4 | 1.6 | .7 | .2 | .4 | | | | | | 5.4 | 8.4 |
| SW | 1.2 | 2.9 | 3.4 | 3.9 | 2.7 | 1.4 | .2 | | | | | 20.1 | 11.7 |
| WSW | .2 | 1.4 | 4.2 | 3.1 | 1.5 | .5 | | | | | | 13.1 | 11.4 |
| W | .6 | 1.4 | 2.2 | 1.2 | .2 | .1 | | | | | | 5.5 | 9.4 |
| WNW | .1 | .4 | .3 | .3 | .2 | | .1 | | | | | 1.4 | 10.4 |
| NNW | .2 | .3 | .2 | .1 | | | | | | | | .9 | 6.5 |
| NNW | .6 | .4 | .3 | .1 | | | | | | | | 1.3 | 4.8 |
| VARBL | .2 | | | | | | | | | | | .3 | 2.0 |
| CALM | | | | | | | | | | | | 17.0 | |
| | 11.9 | 20.1 | 23.9 | 18.8 | 8.5 | 2.5 | .3 | | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS

1395

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

20050

SEEBACH AB GERMANY

54-72

JAN

ALL WEATHER

0300-0500

| SPEED
KNOTS
D.R. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | N | MEAN
WIND
SPEED |
|------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | 1.0 | .7 | .7 | .3 | | | | | | | | 2.7 | 5.8 |
| NNE | .7 | 1.4 | .2 | .5 | .1 | .1 | | | | | | 2.9 | 6.8 |
| NE | 1.9 | 4.5 | 3.0 | 2.4 | .1 | .1 | | | | | | 11.9 | 7.1 |
| ENE | 1.7 | 2.7 | 3.0 | 1.6 | .1 | .1 | | | | | | 9.2 | 7.3 |
| E | .3 | 2.0 | 1.3 | .2 | | | | | | | | 4.0 | 6.1 |
| ESE | .5 | .6 | .3 | | | | | | | | | 1.4 | 4.9 |
| SE | .2 | .2 | | | | | | | | | | 1.4 | 3.2 |
| SSE | .1 | .3 | | | | | | | | | | 1.4 | 4.5 |
| S | .9 | 1.0 | .4 | .3 | .1 | | | | | | | 2.9 | 6.5 |
| SSW | .7 | 1.8 | 1.3 | 1.0 | .1 | | | | | | | 4.9 | 7.4 |
| SW | 1.0 | 4.2 | 4.7 | 4.3 | 1.6 | 2.2 | | | | | | 20.1 | 11.5 |
| WSW | .7 | 2.2 | 4.1 | 4.3 | 1.2 | .6 | .1 | | | | | 13.2 | 11.0 |
| W | .7 | 1.0 | 1.6 | 1.4 | .3 | | .1 | | | | | 5.2 | 9.4 |
| WNW | .2 | .2 | .1 | .3 | | | .1 | .1 | | | | 1.0 | 11.3 |
| NW | .1 | .1 | .3 | .1 | | | | | | | | .7 | 6.8 |
| NNW | .4 | .2 | .1 | | | | | | | | | .7 | 3.8 |
| VARBL | .5 | .3 | .1 | .1 | .1 | | | | | | | 1.0 | 8.7 |
| CALM | | | | | | | | | | | | 19.4 | |
| | 11.9 | 23.8 | 21.2 | 19.2 | 3.6 | 3.1 | .2 | .1 | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS

1687

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34036
STATION

SENBACH AB GERMANY
STATION NAME

54-72
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0000-0800
HOURS, LST

COMBINATION

| SPEED
KNTS
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | 1.7 | 1.9 | 1.0 | 1.1 | | | | | | | | 2.2 | 3.3 |
| NNE | 1.7 | 1.0 | 1.4 | 1.4 | 1.4 | | | | | | | 1.0 | 7.6 |
| NE | 1.7 | 4.2 | 3.0 | 1.0 | 1.1 | | | | | | | 10.7 | 7.0 |
| ENE | 2.0 | 3.1 | 2.8 | 1.0 | 1.2 | 1.1 | | | | | | 9.0 | 7.1 |
| E | 1.3 | 2.0 | 1.3 | 1.0 | 1.1 | | | | | | | 5.2 | 6.0 |
| ESE | 1.4 | 1.2 | 1.1 | | | | | | | | | 1.7 | 4.3 |
| SE | 1.4 | 1.1 | 1.1 | | | | | | | | | 1.0 | 3.7 |
| SSE | 1.4 | 1.2 | | | | | | | | | | 1.4 | 3.8 |
| S | 1.7 | 1.7 | 1.0 | 1.4 | 1.1 | | | | | | | 3.3 | 3.3 |
| SSW | 1.1 | 1.7 | 1.5 | 1.7 | 1.1 | 1.1 | | | | | | 5.2 | 7.4 |
| SW | 1.2 | 3.9 | 3.0 | 6.0 | 1.9 | 1.7 | 1.1 | | | | | 18.3 | 11.7 |
| WSW | 1.1 | 1.7 | 3.3 | 4.8 | 1.9 | 1.8 | 1.2 | | | | | 12.3 | 11.2 |
| W | 1.1 | 1.1 | 2.3 | 1.0 | 1.4 | 1.2 | | | | | | 6.1 | 9.9 |
| WNW | 1.2 | 1.1 | 1.1 | 1.2 | | | | | | | | 1.7 | 8.2 |
| NNW | 1.1 | 1.1 | 1.1 | 1.1 | | 1.1 | | | | | | 1.9 | 9.2 |
| NNW | 1.1 | 1.2 | 1.2 | 1.1 | | | | | | | | 1.9 | 4.9 |
| VARBL | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | | | | | | | 1.0 | 4.9 |
| CALM | | | | | | | | | | | | 18.1 | |
| | 14.6 | 21.8 | 19.9 | 18.2 | 4.2 | 2.7 | 1.2 | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 1020

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEMBACH AB GERMANY

54072

JAN

ALL WEATHER

0800-1100

COND FION

| SPEED
KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-------|-----------------------|
| N | .6 | .9 | .2 | .2 | | | | | | | 2.0 | 2.5 |
| NNE | .5 | .6 | .9 | .2 | .4 | .2 | | | | | 2.9 | 2.1 |
| NE | 2.0 | 3.7 | 3.1 | 1.7 | .5 | | | | | | 11.0 | 7.3 |
| ENE | 1.0 | 3.2 | 3.0 | 1.4 | .3 | | | | | | 9.5 | 7.2 |
| E | 1.2 | 2.4 | 2.0 | .5 | | | | | | | 6.1 | 6.2 |
| ESE | .5 | .2 | .2 | | | | | | | | 1.0 | 4.0 |
| SE | .4 | .2 | .2 | .1 | | | | | | | .7 | 5.4 |
| SSE | .4 | .2 | .2 | .1 | | | | | | | 1.2 | 2.2 |
| S | 1.0 | .5 | .7 | .2 | | | | | | | 2.4 | 5.4 |
| SSW | 1.3 | 1.6 | 1.7 | 1.0 | .5 | | | | | | 6.0 | 7.9 |
| SW | 1.4 | 2.9 | 4.2 | 6.2 | 2.6 | 1.0 | .1 | | | | 18.8 | 11.6 |
| WSW | .5 | 1.9 | 3.7 | 4.5 | 2.2 | .7 | | | | | 12.8 | 11.6 |
| W | .5 | 1.0 | 1.5 | 1.5 | .4 | .1 | | | | | 2.1 | 10.0 |
| WNW | .2 | .3 | .2 | .1 | | .1 | | | | | .9 | 6.7 |
| NW | .2 | .1 | .2 | | | | | | | | .6 | 5.5 |
| NNW | .2 | .3 | .2 | | .1 | | | | | | .9 | 5.8 |
| VARBL | 1.0 | .5 | .1 | .2 | .1 | | | | | | 2.1 | 4.8 |
| CALM | | | | | | | | | | | 15.1 | |
| | 14.1 | 20.8 | 22.4 | 17.9 | 7.3 | 2.4 | .1 | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 1641

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056 SENBACH AB GERMANY

24-72

JAN

ALL WEATHER

1200-1400

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.6 | 1.3 | .6 | .4 | | | | | | | | 4.1 | 5.4 |
| NNE | .7 | 1.6 | .9 | .4 | .2 | .2 | | | | | | 3.9 | 7.7 |
| NE | .8 | 3.6 | 3.3 | 2.2 | .1 | .1 | | | | | | 10.3 | 9.0 |
| ENE | 1.0 | 3.9 | 3.2 | 1.6 | .2 | .1 | | | | | | 9.9 | 7.6 |
| E | .8 | 2.0 | 2.1 | .7 | .1 | | | | | | | 2.8 | 7.1 |
| ESE | .4 | .3 | .3 | .1 | | | | | | | | 1.2 | 2.4 |
| SE | .4 | .3 | .2 | .1 | | | | | | | | 1.0 | 2.3 |
| SSE | .1 | .3 | .2 | .1 | | | | | | | | .7 | 2.3 |
| S | .7 | .4 | .1 | .2 | | | | | | | | 1.4 | 3.1 |
| SSW | .2 | .8 | .8 | 1.3 | .6 | | .1 | | | | | 4.1 | 10.9 |
| SW | .4 | 1.8 | 4.3 | 6.4 | 2.3 | 2.0 | .2 | | | | | 17.7 | 13.2 |
| WSW | .8 | 3.6 | 3.8 | 3.6 | 1.4 | .9 | | | | | | 16.1 | 10.9 |
| W | .3 | 1.9 | 2.3 | 3.0 | .7 | .2 | | | | | | 8.8 | 10.4 |
| WNW | | .2 | .2 | .3 | .1 | | | | | | | .7 | 2.9 |
| NW | .1 | .3 | .6 | .1 | | | | | | | | 1.0 | 7.6 |
| NNW | .4 | .9 | .6 | .2 | | | | | | | | 2.1 | 6.1 |
| VARBL | 1.0 | .3 | | .4 | .1 | | | | | | | 2.0 | 3.7 |
| CALM | | | | | | | | | | | | 8.8 | |
| | 9.8 | 24.2 | 24.2 | 23.4 | 3.8 | 3.3 | .3 | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS 1630

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SENBACH AB GERMANY
STATION NAME

54-72
YEAR

JAN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | 2.1 | .6 | .2 | | | | | | | | 4.0 | 5.3 |
| NNE | 1.2 | 1.7 | .4 | .2 | .4 | .1 | | | | | | 4.0 | 6.7 |
| NE | 1.2 | 3.6 | 3.0 | 2.0 | .2 | | | | | | | 14.0 | 7.3 |
| ENE | 1.2 | 3.7 | 2.4 | 1.7 | .1 | | | | | | | 9.1 | 7.1 |
| E | 1.0 | 2.5 | 2.3 | .9 | .3 | | | | | | | 6.9 | 7.1 |
| ESE | .5 | .2 | .1 | .1 | | | | | | | | .7 | 5.2 |
| SE | .1 | .2 | .2 | .1 | | | | | | | | .7 | 6.1 |
| SSE | .2 | .1 | .1 | .1 | | | | | | | | .4 | 5.3 |
| S | .4 | 1.1 | .3 | .4 | .1 | .1 | | | | | | 2.9 | 7.0 |
| SSW | .2 | 1.3 | 1.0 | 1.2 | .4 | .2 | | | | | | 4.2 | 10.1 |
| SW | .4 | 2.3 | 3.9 | 3.6 | 2.0 | 1.0 | .2 | | | | | 19.6 | 12.3 |
| WSW | 1.0 | 2.1 | 4.8 | 5.2 | 2.4 | .3 | .1 | | | | | 16.0 | 11.2 |
| W | 1.0 | 1.7 | 2.1 | 2.2 | .8 | .2 | | | | | | 7.8 | 9.3 |
| WNW | .3 | .2 | .7 | .2 | | | | | | | | 1.6 | 7.3 |
| NW | .4 | .6 | .4 | .2 | | | | | | | | 1.7 | 6.5 |
| NNW | .2 | .7 | .4 | .2 | | | | | | | | 1.7 | 6.4 |
| VARBL | .9 | .6 | .1 | .4 | .2 | | | | | | | 2.2 | 7.1 |
| CALM | | | | | | | | | | | | 7.9 | |
| | 11.2 | 26.9 | 24.7 | 21.1 | 6.6 | 1.9 | .2 | | | | | 100.0 | 8.2 |

TOTAL NUMBER OF OBSERVATIONS

1434

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056

SENBACH AB GERMANY

54-68

YEARS

JAN

MONTH

ALL WEATHER

CLASS

1800-2000

HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | 1.1 | .8 | .1 | .1 | | | | | | | 2.9 | 6.1 |
| NNE | .4 | 1.1 | .6 | .2 | .1 | | | .1 | | | | 2.8 | 9.1 |
| NE | 1.5 | 4.6 | 4.4 | 1.7 | .2 | .4 | | | | | | 13.1 | 7.2 |
| ENE | 1.6 | 3.1 | 3.3 | 1.3 | .2 | | | | | | | 9.7 | 7.3 |
| E | 1.2 | 2.5 | 1.6 | .5 | | | | | | | | 5.9 | 6.0 |
| ESE | .1 | .4 | .2 | .1 | | | | | | | | .9 | 6.3 |
| SE | .5 | .1 | .1 | | | | | | | | | .8 | 3.7 |
| SSE | .5 | .4 | .1 | .1 | | | | | | | | 1.1 | 4.9 |
| S | .8 | 1.0 | .7 | .4 | | | | | | | | 2.9 | 6.3 |
| SSW | .5 | 1.7 | 1.7 | .9 | .4 | .2 | | | | | | 2.4 | 3.9 |
| SW | .6 | 2.0 | 6.9 | 6.7 | 2.2 | .9 | | | | | | 19.1 | 11.8 |
| WSW | .7 | 2.0 | 3.6 | 5.2 | 1.5 | .4 | .1 | | | | | 13.3 | 11.1 |
| W | .5 | .3 | 1.9 | 1.4 | .5 | .2 | | | | | | 4.9 | 10.3 |
| WNW | .3 | .3 | .6 | .1 | .1 | | | | | | | 1.4 | 7.4 |
| NW | .1 | .6 | .2 | .1 | | | | | | | | 1.1 | 6.4 |
| NNW | .4 | .5 | .2 | .4 | .1 | .1 | | | | | | 1.6 | 8.4 |
| VARBL | .1 | .1 | | | | | | | | | | .1 | 2.3 |
| CALM | | | | | | | | | | | | 13.0 | |
| | 11.1 | 22.2 | 26.7 | 19.4 | 8.2 | 2.2 | .3 | .1 | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS

1892

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

54-68
YEAR

JAN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS LST

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | 1.0 | .8 | .2 | | .1 | | | | | | 2.2 | 5.9 |
| NNE | .9 | .7 | .6 | .5 | .4 | .1 | | | | | | 2.2 | 8.4 |
| NE | .9 | 3.7 | 3.8 | 2.2 | .1 | .2 | | | | | | 10.9 | 7.9 |
| ENE | 1.3 | 2.7 | 3.4 | 1.5 | .4 | | | | | | | 9.2 | 7.8 |
| E | 1.1 | 2.5 | 1.6 | .8 | | | | | | | | 5.9 | 6.5 |
| ESE | .1 | .1 | .2 | .1 | | | | | | | | .6 | 8.0 |
| SE | .3 | | | .1 | | | | | | | | .4 | 2.8 |
| SSE | .2 | .2 | .1 | | | | | | | | | .5 | 3.9 |
| S | .5 | 1.1 | .7 | .3 | .1 | | | | | | | 2.7 | 6.6 |
| SSW | 1.3 | 1.8 | 2.2 | .9 | .4 | .1 | | | | | | 2.9 | 7.4 |
| SW | .6 | 3.4 | 3.2 | 6.2 | 2.4 | 1.4 | .1 | | | | | 19.6 | 11.9 |
| WSW | .6 | 1.9 | 4.1 | 4.9 | 1.4 | .4 | .1 | | | | | 12.5 | 11.2 |
| W | .3 | 1.2 | 2.9 | .9 | .3 | .1 | .1 | | | | | 3.4 | 9.3 |
| WNW | .3 | .1 | .3 | .3 | | | | | | | | 1.0 | 7.4 |
| NW | .1 | .1 | .4 | .1 | | | | | | | | .7 | 7.3 |
| NNW | .2 | .1 | .4 | .1 | | | | | | | | .9 | 7.3 |
| VARBL | .1 | | | | | | | | | | | .1 | 3.0 |
| CALM | | | | | | | | | | | | 16.3 | |
| | 9.9 | 20.4 | 26.2 | 19.2 | 5.3 | 2.4 | .4 | | | | | 100.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS

1393

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

54-68
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS LST

CONDITION

| SPEED
(KNTS):
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | 1.1 | 1.2 | .5 | | | | | | | | 3.4 | 7.0 |
| NNE | .5 | .6 | .8 | .8 | .3 | .2 | | | | | | 1.1 | 10.2 |
| NE | 1.7 | 5.2 | 4.5 | 2.3 | .6 | .2 | | | | | | 14.4 | 7.8 |
| ENE | 1.3 | 2.8 | 2.6 | .6 | | .1 | | | | | | 7.2 | 6.6 |
| E | .7 | .9 | .9 | .1 | | | | | | | | 2.5 | 3.9 |
| ESE | .3 | | .1 | .1 | | | | | | | | .5 | 2.0 |
| SE | | | .1 | | | | | | | | | .1 | 7.0 |
| SSE | .3 | .2 | | | | | | | | | | .5 | 3.3 |
| S | .9 | .6 | .2 | .3 | .2 | | | | | | | 2.3 | 6.3 |
| SSW | 1.3 | 1.4 | 1.3 | .9 | .1 | .1 | | | | | | 2.1 | 7.2 |
| SW | .2 | 1.9 | 4.4 | 4.3 | 1.3 | 1.3 | | | | | | 13.4 | 11.8 |
| WSW | .8 | 1.3 | 4.0 | 3.3 | 1.2 | .6 | .1 | .1 | | | | 12.8 | 11.7 |
| W | 1.2 | 1.2 | 2.0 | 1.7 | .2 | | | | | | | 6.1 | 8.1 |
| WNW | .1 | .7 | .6 | .2 | | | | | | | | 1.3 | 7.3 |
| NW | .3 | .4 | .2 | .2 | | | | | | | | 1.1 | 6.1 |
| NNW | .2 | .7 | .3 | .3 | | | .2 | | | | | 1.7 | 9.0 |
| VARBL | .3 | | | | | | | | | | | .3 | 1.8 |
| CALM | | | | | | | | | | | | 23.2 | |
| | 10.6 | 19.0 | 23.2 | 17.6 | 3.7 | 2.4 | .2 | .1 | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS 1272

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

5672
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0800-0800
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .7 | 1.5 | | | | | | | | | 2.0 | 4.1 |
| NNE | .4 | .7 | .7 | .8 | .2 | .1 | | | | | | 2.1 | 2.9 |
| NE | 1.7 | 3.2 | 4.0 | 2.5 | .2 | .2 | | | | | | 14.1 | 7.7 |
| ENE | 1.6 | 3.2 | 2.5 | .4 | | | | | | | | 7.8 | 6.0 |
| E | .7 | .8 | .7 | .1 | | | | | | | | 2.4 | 2.7 |
| ESE | .2 | .2 | .1 | | | | | | | | | .2 | 2.4 |
| SE | | | .1 | | | | | | | | | .1 | 7.0 |
| SSE | .4 | .1 | | | | | | | | | | .2 | 2.7 |
| S | 1.8 | 1.2 | | .1 | | | | | | | | 2.6 | 2.8 |
| SSW | 1.0 | 1.3 | 1.5 | .7 | .2 | | | | | | | 2.0 | 7.3 |
| SW | 1.0 | 2.3 | 4.2 | 3.6 | 1.7 | .5 | | | | | | 12.9 | 10.0 |
| WSW | .9 | 1.3 | 3.6 | 4.6 | 1.7 | .7 | .1 | | | | | 12.0 | 12.0 |
| W | .2 | 1.8 | 2.9 | 2.4 | .2 | .1 | .1 | .1 | | | | 7.7 | 9.9 |
| WNW | | .1 | .1 | .3 | .1 | | | | | | | .9 | 12.3 |
| NW | .4 | .2 | .1 | .1 | | | | | | | | .7 | 2.2 |
| NNW | .2 | .6 | .8 | .4 | | | | | | | | 2.1 | 7.2 |
| VARBL | .1 | | | | | | | | | | | .1 | 1.3 |
| CALM | | | | | | | | | | | | 22.8 | |
| | 11.3 | 20.2 | 22.0 | 16.1 | 4.8 | 1.7 | .4 | .1 | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS 1225

1
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

30-72
YEAR

FEB
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L & T)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.0 | 1.0 | 1.2 | | | | | | | | 3.3 | 2.6 |
| NNE | 1.0 | 1.0 | 1.0 | 1.7 | 1.4 | | | | | | | 3.7 | 7.8 |
| NE | 2.0 | 4.0 | 4.0 | 2.8 | 1.3 | | | | | | | 14.3 | 7.1 |
| ENE | 2.0 | 3.0 | 1.0 | 1.0 | 1.1 | | | | | | | 8.2 | 5.9 |
| E | 1.0 | 1.1 | 1.2 | 1.2 | | | | | | | | 2.5 | 4.7 |
| ESE | | 1.1 | 1.2 | | | | | | | | | 1.7 | 4.2 |
| SE | | 1.1 | | | | | | | | | | 1.2 | 2.2 |
| SSE | | 1.1 | 1.1 | 1.1 | | | | | | | | 1.7 | 5.4 |
| S | 1.0 | 1.0 | 1.0 | 1.2 | 1.2 | | | | | | | 2.7 | 5.0 |
| SSW | 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | | | | | | | 3.2 | 7.1 |
| SW | 1.0 | 4.0 | 3.0 | 4.0 | 1.0 | 1.0 | | | | | | 14.9 | 10.1 |
| WSW | 1.0 | 1.0 | 1.0 | 4.0 | 1.0 | 1.0 | 1.0 | | | | | 10.4 | 11.2 |
| W | | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | 7.2 | 8.2 |
| WNW | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.2 | 9.6 |
| NW | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.8 | 8.2 |
| NNW | | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 1.4 | 6.6 |
| VARBL | | 1.0 | | | | | | | | | | 1.9 | 2.8 |
| CALM | | | | | | | | | | | | 20.8 | |
| | 14.7 | 24.0 | 17.2 | 17.2 | 4.0 | 1.1 | 1.1 | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 1468

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SENBACH AB GERMANY
STATION NAME

54-72
YEARS

FEB
MONTH

ALL WEATHER
CLAS

0900-1100
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.2 | .5 | .1 | | | | | | | | 2.8 | 4.8 |
| NNE | 1.1 | 1.3 | 1.0 | .8 | .1 | .1 | | | | | | 4.4 | 7.4 |
| NE | 1.3 | 3.1 | 3.8 | 1.9 | .6 | .1 | | | | | | 12.8 | 7.7 |
| ENE | 1.2 | 3.4 | 2.4 | .8 | .1 | | | | | | | 7.9 | 6.6 |
| E | .7 | 1.8 | 1.6 | .3 | | | | | | | | 4.4 | 6.4 |
| ESE | .1 | .2 | .2 | | | | | | | | | .3 | 6.3 |
| SE | .3 | .1 | .1 | | | | | | | | | .8 | 3.5 |
| SSE | .3 | .2 | | | | | | | | | | .3 | 2.3 |
| S | .8 | 1.0 | .5 | .2 | .1 | | | | | | | 2.6 | 3.8 |
| SSW | 1.3 | 1.1 | 1.6 | .7 | .3 | | | | | | | 3.0 | 7.4 |
| SW | 1.8 | 2.3 | 2.9 | 3.1 | 1.3 | .3 | | | | | | 13.2 | 10.9 |
| WSW | 1.0 | 1.6 | 3.0 | 3.2 | 1.4 | .4 | .1 | | | | | 12.7 | 11.2 |
| W | .6 | 1.4 | 3.0 | 2.7 | .3 | .1 | | | | | | 8.1 | 9.3 |
| WNW | .2 | .4 | .5 | .3 | .1 | | | | | | | 1.8 | 8.3 |
| NW | .1 | .3 | .4 | .1 | .1 | | | | | | | 1.0 | 7.7 |
| NNW | .6 | 1.0 | .7 | .2 | .1 | | | | | | | 2.6 | 6.6 |
| VARBL | .3 | .1 | .1 | .3 | | | | | | | | 1.0 | 3.7 |
| CALM | | | | | | | | | | | | 18.0 | |
| | 12.1 | 23.0 | 22.6 | 18.6 | 4.4 | 1.2 | .1 | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS 1462

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SEIBACH AB GERMANY
STATION NAME

54-72
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.2 | 2.1 | .8 | .1 | | | | | | | | 4.4 | 2.0 |
| NNE | .6 | 2.0 | 1.2 | .7 | .2 | | | | | | | 4.9 | 7.4 |
| NE | .7 | 4.2 | 3.4 | 3.0 | .7 | .1 | | | | | | 14.2 | 8.8 |
| ENE | .2 | 2.7 | 3.6 | 1.2 | .1 | | | | | | | 9.2 | 7.7 |
| E | .3 | 1.2 | 1.2 | .5 | .1 | | | | | | | 3.5 | 7.2 |
| ESE | .2 | .2 | .2 | | | | | | | | | .8 | 4.9 |
| SE | .2 | .1 | .3 | | | | | | | | | .7 | 3.2 |
| SSE | .2 | .4 | .1 | | | | | | | | | .2 | 4.2 |
| S | .2 | .7 | .7 | .3 | .1 | | | | | | | 2.1 | 7.4 |
| SSW | .4 | .9 | 1.2 | .8 | | | | | | | | 2.4 | 7.8 |
| SW | .2 | 2.3 | 3.9 | 4.9 | 1.8 | .7 | .2 | | | | | 14.0 | 11.8 |
| WSW | .2 | 1.0 | 2.9 | 6.9 | 2.5 | .7 | .2 | | | | | 14.2 | 12.2 |
| W | .6 | 2.5 | 3.2 | 3.5 | 1.0 | .1 | | | | | | 11.0 | 10.9 |
| WNW | .4 | .5 | .2 | .6 | .1 | .1 | | | | | | 2.0 | 8.2 |
| NW | .2 | .8 | .7 | .2 | .1 | | | | | | | 2.7 | 7.5 |
| NNW | .6 | 1.6 | 1.0 | .6 | | | | | | | | 3.8 | 6.8 |
| VARBL | .7 | .2 | .5 | .1 | | | | | | | | 1.8 | 4.8 |
| CALM | | | | | | | | | | | | 8.1 | |
| | 9.2 | 22.4 | 27.0 | 22.2 | 6.7 | 1.8 | .2 | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS 1400

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

54-72
YEARS

FEB
MONTH

1500-1700
HOURS, LST

ALL WEATHER
CLASS

CONDITION

| SPEED
KNTS
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | .8 | 1.3 | 1.0 | .4 | | | | | | | | 3.6 | 6.2 |
| NNE | .5 | 1.8 | 1.4 | .2 | .3 | | | | | | | 4.4 | 7.3 |
| NE | 1.4 | 3.5 | 6.7 | 3.1 | .8 | .1 | .1 | | | | | 17.6 | 9.3 |
| ENE | .4 | 2.7 | 3.3 | 1.0 | .1 | | | | | | | 7.7 | 7.7 |
| E | .8 | 1.6 | 1.1 | .6 | | | | | | | | 4.0 | 6.7 |
| ESE | .1 | .8 | .2 | .1 | | | | | | | | 1.2 | 3.8 |
| SE | .5 | .8 | .2 | | | | | | | | | 1.3 | 4.3 |
| SSE | .2 | .3 | .2 | | | | | | | | | .7 | 3.0 |
| S | .4 | 1.0 | .3 | .1 | | .1 | | | | | | 2.1 | 6.4 |
| SSW | .3 | .8 | 1.0 | 1.4 | .1 | .1 | | | | | | 2.9 | 9.3 |
| SW | .4 | 1.8 | 2.9 | 4.9 | 1.4 | .3 | .1 | | | | | 12.0 | 11.6 |
| WSW | .6 | 1.2 | 2.7 | 6.4 | 1.3 | .3 | .4 | .1 | | | | 12.0 | 12.4 |
| W | .7 | 2.8 | 3.9 | 2.9 | 1.2 | .4 | | .1 | | | | 11.9 | 10.1 |
| WNW | .6 | .4 | 1.2 | .4 | .1 | | | | | | | 2.8 | 7.8 |
| NW | .3 | 1.3 | .6 | .3 | .3 | | | | | | | 3.3 | 8.0 |
| NNW | .3 | 1.3 | .7 | .3 | | | | | | | | 3.2 | 6.7 |
| VARBL | .6 | .2 | .3 | | | | | | | | | 1.4 | 3.0 |
| CALM | | | | | | | | | | | | 6.6 | |
| | 9.2 | 26.0 | 27.9 | 22.5 | 9.5 | 1.3 | .6 | .1 | | | | 100.0 | 8.4 |

TOTAL NUMBER OF OBSERVATIONS 1683

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34096
STATION

SENBACH AB GERMANY
STATION NAME

24-68,70
YEARS

FEB
MO DATA

ALL WEATHER
CLASS

1800-2000
HOURS OF DAY

CONDITION

| SPEED
KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | 1.0 | 1.2 | .2 | .1 | | | | | | | 3.3 | 6.5 |
| NNE | .9 | 1.1 | .7 | .3 | .4 | .1 | | | | | | 3.7 | 8.1 |
| NE | 3.1 | 6.2 | 5.0 | 2.8 | .6 | .2 | | | | | | 18.0 | 7.5 |
| ENE | 2.4 | 3.1 | 2.3 | .5 | | | | | | | | 8.2 | 3.6 |
| E | 1.1 | 2.4 | .3 | .1 | | | | | | | | 1.9 | 4.5 |
| ESE | .4 | .3 | | | | | | | | | | .7 | 3.2 |
| SE | .5 | .4 | .1 | | | | | | | | | .9 | 3.9 |
| SSE | .5 | .3 | .2 | | | | | | | | | .9 | 3.9 |
| S | .6 | 1.2 | .9 | .4 | .2 | | | | | | | 1.2 | 7.3 |
| SSW | .5 | 1.4 | 1.5 | .8 | | | | | | | | 4.2 | 7.2 |
| SW | .7 | 2.4 | 2.9 | 4.3 | 1.2 | .3 | .1 | .1 | | | | 12.0 | 10.9 |
| WSW | .4 | 1.7 | 2.4 | 3.6 | 1.2 | .4 | .1 | | | | | 9.8 | 11.3 |
| W | 1.6 | 2.6 | 2.7 | 2.9 | .3 | | | | | | | 10.3 | 8.6 |
| WNW | .3 | .6 | .4 | .5 | .1 | .1 | | | | | | 2.0 | 8.3 |
| NW | .4 | .8 | .2 | .5 | .1 | | | | | | | 1.9 | 7.3 |
| NNW | .6 | .5 | .6 | .1 | .1 | | | | | | | 2.0 | 6.1 |
| VARBL | .2 | | | | | | | | | | | .2 | 2.5 |
| CALM | | | | | | | | | | | | 14.7 | |
| | 14.8 | 26.2 | 21.4 | 17.1 | 4.5 | 1.1 | .2 | .1 | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS

1275

DATA PROCESSING BRANCH-
ETAC/USAF
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SENBACH AB GERMANY
STATION NAME

54-68

FEB
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS, LST

CONDITION

| SPEED
KNTS
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | .7 | 1.1 | 1.1 | | | | | | | | | 2.9 | 5.7 |
| NNE | .6 | .4 | .5 | .7 | .5 | .1 | | | | | | 2.7 | 10.4 |
| NE | 2.8 | 3.6 | 5.0 | 2.0 | .9 | .3 | | | | | | 14.6 | 8.0 |
| ENE | 1.5 | 3.0 | 2.3 | .6 | | | | | | | | 7.3 | 6.1 |
| E | .8 | .9 | 1.3 | .2 | | | | | | | | 3.1 | 6.0 |
| ESE | .5 | .1 | | | | | | | | .1 | | .6 | 8.6 |
| SE | .5 | .4 | .1 | | | | | | | | | .9 | 3.4 |
| SSE | .6 | .4 | .2 | | | | | | | | | 1.2 | 4.5 |
| S | 1.3 | 1.3 | .8 | .2 | .2 | | | | | | | 3.7 | 3.7 |
| SSW | .9 | .9 | 1.0 | .6 | .1 | | | | | | | 3.5 | 6.9 |
| W | 1.0 | 2.2 | 3.9 | 4.3 | .6 | .6 | | | | | | 12.9 | 10.5 |
| WSW | .8 | 1.5 | 2.6 | 3.9 | 1.9 | .2 | .2 | | | | | 11.3 | 11.7 |
| W | .8 | 1.5 | 2.2 | 2.7 | .3 | | | | | | | 7.3 | 9.5 |
| WNW | .3 | .4 | .2 | .5 | | | | | | | | 1.5 | 7.5 |
| NW | .2 | .2 | .5 | .6 | | | .1 | | | | | 1.4 | 10.4 |
| NNW | .2 | .8 | .6 | .2 | .1 | | | | | | | 1.9 | 7.9 |
| VARBL | .5 | | | | | | | | | | | .3 | 1.1 |
| CALM | | | | | | | | | | | | 22.6 | |
| | 13.6 | 18.7 | 22.7 | 16.3 | 4.5 | 1.3 | .2 | | | .1 | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS

1270

1

3

•

0000-0200

8

1995

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEMBACH AB GERMANY

34-72

MAR

ALL WEATHER

0800-0500

CONDITION

| SPEED
KNTS:
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | MEAN
WIND
SPEED |
|-----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-------|-----------------------|
| N | .5 | 1.4 | .8 | .1 | | | | | | | 2.8 | 2.2 |
| NNE | 1.1 | 1.0 | .3 | .3 | .1 | | | | | | 2.8 | 2.4 |
| NE | 1.4 | 4.1 | 3.7 | 2.2 | .5 | .3 | | | | | 12.1 | 6.1 |
| ENE | 1.2 | 3.2 | 2.4 | 1.0 | .1 | | | | | | 7.8 | 6.8 |
| E | 1.1 | 1.4 | 1.5 | .3 | | | | | | | 4.3 | 6.1 |
| ESE | .1 | .4 | | .1 | | | | | | | .5 | 2.2 |
| SE | .1 | .1 | | | | | | | | | .2 | 3.0 |
| SSE | .1 | .5 | .1 | | | | | | | | .6 | 3.0 |
| S | 1.1 | 1.2 | .3 | .2 | | | | | | | 2.9 | 3.5 |
| SSW | .8 | .4 | .7 | .3 | .1 | | | | | | 2.6 | 6.3 |
| SW | 1.2 | 2.2 | 3.0 | 2.5 | .7 | | | | | | 9.7 | 9.0 |
| WSW | 1.0 | 1.6 | 3.7 | 3.8 | .8 | .6 | .1 | | | | 11.6 | 10.9 |
| W | 1.1 | 2.2 | 2.2 | 2.6 | .4 | .3 | | | | | 8.8 | 9.0 |
| WNW | .2 | .5 | .2 | .1 | | | | | | | 1.0 | 6.3 |
| NW | .3 | .6 | .3 | | | | | | | | 1.3 | 4.8 |
| NNW | .3 | .9 | .3 | .1 | | | | | | | 1.6 | 8.4 |
| VARBL | .4 | | | | | | | | | | .4 | 1.2 |
| CALM | | | | | | | | | | | 28.8 | |
| | 11.8 | 22.0 | 19.8 | 13.7 | 2.6 | 1.2 | .1 | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS 1478

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056

SENBACH AB GERMANY

34-72

MAR

STATION

STATION NAME

FEES

MONTH

ALL WEATHER

0000-0800

HOURS - LST

CONDITION

| SPEED
KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | % | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | 1.2 | .7 | .2 | | | | | | | | 2.8 | 2.6 |
| NNE | .5 | 1.2 | .4 | .2 | .1 | .1 | | | | | | 2.5 | 6.3 |
| NE | 1.6 | 4.3 | 4.3 | 2.0 | .4 | .1 | | | | | | 12.6 | 7.7 |
| ENE | 1.0 | 4.0 | 3.1 | .3 | | | | | | | | 8.7 | 6.3 |
| E | .6 | 1.1 | .7 | .3 | | | | | | | | 2.7 | 6.1 |
| ESE | .3 | .2 | .1 | .1 | | | | | | | | .5 | 2.2 |
| SE | .1 | .1 | .1 | | | | | | | | | .3 | 4.4 |
| SSE | .5 | .3 | .1 | | | | | | | | | .9 | 2.4 |
| S | 1.9 | .8 | .6 | .2 | .2 | | | | | | | 3.7 | 2.2 |
| SSW | .7 | .9 | .6 | .4 | | | | | | | | 2.6 | 6.1 |
| SW | 1.2 | 2.6 | 3.2 | 3.4 | .7 | | | | | | | 11.1 | 9.1 |
| WSW | 1.0 | 2.5 | 3.2 | 4.3 | .9 | .4 | | | | | | 12.2 | 10.2 |
| W | .4 | 2.2 | 2.3 | 1.7 | .4 | .1 | | | | | | 7.1 | 8.9 |
| WNW | .2 | .4 | .2 | | | | | | | | | .7 | 4.8 |
| NW | .1 | .3 | .4 | .1 | | | | | | | | 1.2 | 6.4 |
| NNW | .3 | .9 | .2 | .4 | | | | | | | | 1.8 | 6.3 |
| VARBL | .5 | .2 | .1 | .1 | | | | | | | | .9 | 4.4 |
| CALM | | | | | | | | | | | | 27.4 | |
| | 11.5 | 22.6 | 20.2 | 13.9 | 2.7 | .7 | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS

1628

USAFETAC

FORM
JUL 64

0-8-5 01-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEMBACH AB GERMANY

54-72

MAR

ALL WEATHER

0900-1100

CONDITION

| SPEED
KNTS;
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | 1.6 | .7 | .4 | | | | | | | | 3.4 | 9.9 |
| NNE | .9 | 1.5 | .8 | .2 | | .1 | | | | | | 3.4 | 6.1 |
| NE | .8 | 2.9 | 4.3 | 2.6 | .2 | .1 | | | | | | 10.9 | 8.6 |
| ENE | 1.0 | 3.4 | 3.4 | 1.1 | .2 | | | | | | | 9.1 | 7.3 |
| E | .4 | 1.9 | 1.9 | .7 | .1 | | | | | | | 4.9 | 7.3 |
| ESE | .2 | .4 | .6 | .2 | | | | | | | | 1.3 | 7.2 |
| SE | .2 | .4 | .1 | .2 | | | | | | | | 1.0 | 6.2 |
| SSE | .4 | .4 | .2 | .1 | | | | | | | | 1.1 | 9.2 |
| S | .7 | .4 | .5 | .2 | .2 | | | | | | | 2.0 | 6.9 |
| SSW | .5 | .7 | 1.2 | 1.0 | | | | | | | | 3.4 | 8.1 |
| SW | .9 | 1.5 | 3.8 | 4.3 | 1.0 | .2 | | | | | | 11.0 | 10.4 |
| WSW | .6 | 1.8 | 4.5 | 4.1 | 1.3 | .4 | .1 | | | | | 12.9 | 11.0 |
| W | .5 | 1.7 | 3.2 | 3.4 | .3 | .2 | | | | | | 9.3 | 9.8 |
| WNW | .1 | .5 | .7 | .4 | | | | | | | | 1.6 | 8.1 |
| NW | .4 | 1.0 | .5 | .4 | | | | | | | | 2.4 | 7.0 |
| NNW | .9 | 1.2 | .9 | .2 | .1 | | | | | | | 3.4 | 6.4 |
| VARBL | .7 | .7 | .9 | .2 | | | | | | | | 2.4 | 6.0 |
| CALM | | | | | | | | | | | | 16.0 | |
| | 9.9 | 21.8 | 28.2 | 19.6 | 3.5 | .9 | .1 | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS 1640

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEMBACH AB GERMANY
STATION STATION NAME

3672

YEARS

MAR

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS - LST

CONDITION

| SPEED
KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .9 | 2.0 | .9 | .2 | | | | | | | | 3.9 | 3.6 |
| NNE | .4 | 1.9 | 1.4 | .1 | .1 | .1 | | | | | | 4.1 | 7.0 |
| NE | .4 | 3.2 | 3.6 | 2.6 | .2 | .1 | | | | | | 12.2 | 8.7 |
| ENE | .7 | 2.6 | 4.6 | 2.0 | .2 | | | | | | | 10.1 | 8.4 |
| E | .7 | 1.3 | 2.8 | 1.3 | .1 | | | | | | | 6.4 | 8.2 |
| ESE | .4 | .4 | .5 | .6 | | | | | | | | 1.8 | 7.9 |
| SE | .1 | .7 | .2 | .1 | | | | | | | | 1.0 | 6.0 |
| SSE | .1 | .2 | .2 | | | .1 | | | | | | .7 | 7.1 |
| S | .4 | .8 | .7 | .4 | .1 | .1 | .1 | | | | | 2.3 | 8.7 |
| SSW | .1 | .7 | 1.0 | .8 | .2 | | | | | | | 2.8 | 9.4 |
| SW | .2 | .7 | 1.9 | 4.3 | 1.2 | .4 | .1 | | | | | 8.9 | 12.7 |
| WSW | .4 | 1.3 | 3.7 | 6.2 | 1.1 | .6 | .2 | | | | | 13.7 | 12.0 |
| W | 1.0 | 2.3 | 4.7 | 3.4 | .6 | .1 | | | | | | 16.1 | 9.8 |
| WNW | .2 | .7 | .8 | .6 | .1 | | | | | | | 2.4 | 8.7 |
| NW | .3 | .8 | 1.1 | .6 | .1 | .1 | | | | | | 2.9 | 8.6 |
| NNW | .9 | 1.3 | 1.3 | 1.0 | .1 | | | | | | | 4.8 | 7.3 |
| VARBL | .9 | 1.2 | .6 | .2 | .1 | | | | | | | 3.0 | 3.0 |
| CALM | | | | | | | | | | | | 4.7 | |
| | 8.0 | 22.5 | 32.1 | 26.9 | 4.1 | 1.8 | .4 | | | | | 100.0 | 8.8 |

TOTAL NUMBER OF OBSERVATIONS

1033

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SEMBACH AB GERMANY
STATION NAME

54-72
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS - LST

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | 1.2 | 1.8 | .4 | .1 | | | | | | | 2.9 | 7.0 |
| NNE | .5 | 1.2 | 1.2 | .5 | .1 | .1 | | | | | | 3.8 | 7.9 |
| NE | .5 | 4.4 | 5.4 | 2.6 | .4 | .1 | | | | | | 13.4 | 8.4 |
| ENE | .6 | 3.3 | 4.4 | 2.2 | .2 | | | | | | | 10.8 | 8.2 |
| E | .6 | 2.8 | 2.7 | 1.2 | .1 | .1 | | | | | | 7.2 | 8.2 |
| ESE | .2 | .6 | .8 | .4 | | | | | | | | 2.0 | 7.5 |
| SE | .1 | .2 | .2 | .2 | | | | | | | | .7 | 8.5 |
| SSE | .5 | .7 | .5 | .1 | .2 | | | | | | | 1.9 | 6.6 |
| S | .1 | 1.2 | 1.5 | .4 | .1 | | | | | | | 2.2 | 7.8 |
| SSW | .1 | .7 | 1.0 | .2 | .1 | .1 | | | | | | 2.4 | 9.0 |
| SW | .4 | .9 | 2.1 | 4.4 | .8 | .2 | .1 | | | | | 8.9 | 11.9 |
| WSW | .4 | 1.2 | 2.9 | 3.9 | 1.6 | .8 | | | | | | 10.6 | 11.7 |
| W | .9 | 1.6 | 5.0 | 5.2 | 1.3 | .4 | | | | | | 14.9 | 10.9 |
| WNW | .1 | .4 | 1.2 | 1.0 | | | | | | | | 2.7 | 9.2 |
| NW | .4 | 1.4 | 1.5 | 1.5 | .2 | | | | | | | 4.7 | 9.0 |
| NNW | .4 | 1.8 | 1.1 | .2 | .1 | | | | | | | 3.4 | 8.8 |
| VARBL | .9 | .8 | .7 | .1 | | | | | | | | 2.4 | 5.0 |
| CALM | | | | | | | | | | | | 3.5 | |
| | 7.1 | 23.8 | 33.9 | 24.9 | 5.2 | 1.5 | .1 | | | | | 100.0 | 8.9 |

TOTAL NUMBER OF OBSERVATIONS 1644

DATA PROCESSING BRANCH
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

34056
 STATION

SEMBACH AB GERMANY
 STATION NAME

54-69,72
 YEARS

MAR
 MONTH

ALL WEATHER
 CLASS

1800-2000
 HOURS LST

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .9 | 1.3 | 1.1 | .6 | .1 | | | | | | | 4.1 | 6.9 |
| NNE | 1.6 | 1.5 | .2 | .5 | .2 | .1 | | | | | | 4.2 | 6.3 |
| NE | 1.9 | 3.9 | 4.2 | 2.0 | .4 | | | | | | | 12.4 | 7.4 |
| ENE | 1.2 | 2.9 | 3.3 | 1.6 | .2 | | | | | | | 9.2 | 7.5 |
| E | 1.8 | 2.6 | 2.9 | .6 | | | | | | | | 8.1 | 6.3 |
| ESE | .8 | .6 | .6 | .1 | | | | | | | | 2.1 | 3.3 |
| SE | .4 | .2 | .2 | .1 | | | | | | | | 1.2 | 6.0 |
| SSE | .3 | .3 | .1 | .2 | | | | | | | | 1.1 | 6.1 |
| S | 1.1 | 1.2 | .6 | .1 | | | | | | | | 3.1 | 3.0 |
| SSW | .4 | 1.1 | 1.1 | .3 | .1 | | | | | | | 3.0 | 7.0 |
| SW | 1.1 | 1.6 | 2.2 | 2.8 | .4 | | | | | | | 9.1 | 9.3 |
| WSW | .6 | 1.8 | 3.1 | 2.9 | .8 | .4 | | | | | | 9.6 | 10.2 |
| W | 1.0 | 3.6 | 4.1 | 2.1 | .8 | .1 | | | | | | 11.7 | 8.6 |
| WNW | .2 | .9 | 1.1 | .7 | | | | | | | | 3.0 | 7.7 |
| NW | .1 | .9 | 1.3 | .1 | .1 | | | | | | | 2.4 | 7.2 |
| NNW | .7 | 1.3 | .9 | .2 | .1 | | | | | | | 3.3 | 6.4 |
| VARBL | .1 | | | | | | | | | | | .1 | 1.0 |
| CALM | | | | | | | | | | | | 13.7 | |
| | 14.2 | 23.9 | 27.2 | 13.2 | 3.3 | .5 | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 1399

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 ZEMBACH AB GERMANY

24-68

MAR

ALL WEATHER

2100-2300

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | 1.4 | 1.1 | .2 | .1 | | | | | | | 3.6 | 6.2 |
| NNE | .7 | .9 | .6 | .6 | .1 | | | | | | | 2.9 | 7.8 |
| NE | 2.2 | 2.5 | 2.9 | 1.6 | .2 | .2 | | | | | | 9.7 | 7.8 |
| ENE | 1.2 | 3.2 | 3.2 | 1.4 | .1 | | | | | | | 9.2 | 7.4 |
| E | 1.0 | 1.4 | 2.7 | .7 | | | | | | | | 5.9 | 6.9 |
| ESE | .5 | .3 | .4 | .1 | | | | | | | | 1.3 | 5.7 |
| SE | .4 | .2 | .3 | | .1 | | | | | | | 1.0 | 5.9 |
| SSE | .4 | .3 | | .1 | | | | | | | | 1.2 | 5.6 |
| S | 1.4 | .9 | .3 | .2 | .1 | | | | | | | 2.9 | 5.4 |
| SSW | .7 | .9 | 1.0 | .1 | | | | | | | | 2.7 | 5.9 |
| SW | .7 | 2.2 | 3.2 | 1.6 | .4 | .1 | | | | | | 8.5 | 6.7 |
| WSW | .9 | 1.9 | 2.9 | 3.4 | .5 | .4 | .1 | | | | | 10.3 | 10.6 |
| W | .9 | 2.6 | 3.7 | 1.4 | .3 | | | | | | | 8.9 | 8.3 |
| WNW | .2 | .8 | .8 | | | | | | | | | 1.8 | 6.5 |
| NW | .4 | .6 | .4 | .1 | | | | | | | | 1.6 | 5.6 |
| NNW | .4 | 1.5 | .5 | .1 | | | | | | | | 2.5 | 5.4 |
| VARBL | .2 | | | | | | | | | | | .2 | 1.0 |
| CALM | | | | | | | | | | | | 25.9 | |
| | 13.4 | 21.5 | 24.2 | 12.1 | 1.9 | .9 | .1 | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS 1295

DATA PROCESSING BRANCH
BTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

54-68
YEARS

APR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.4 | 2.9 | 1.7 | .5 | | | | | | | | 6.5 | 6.0 |
| NNE | 1.9 | 1.0 | .9 | .9 | .1 | | | | | | | 3.1 | 6.5 |
| NE | 1.9 | 3.9 | 2.7 | 2.1 | .1 | | | | | | | 10.0 | 7.3 |
| ENE | 1.9 | 2.4 | 2.1 | 1.6 | | | | | | | | 7.6 | 7.2 |
| E | 1.0 | .4 | .4 | .1 | | | | | | | | 2.0 | 4.9 |
| ESE | | .1 | | | | | | | | | | .1 | 6.0 |
| SE | .1 | .2 | | | | | | | | | | .4 | 3.4 |
| SSE | .4 | .1 | | | | | | | | | | .3 | 2.7 |
| S | 1.0 | 1.1 | .1 | .1 | | | | | | | | 2.4 | 4.0 |
| SSW | 1.2 | 1.1 | .4 | .2 | .1 | | | | | | | 3.1 | 5.5 |
| SW | 1.6 | 2.7 | 2.5 | 2.4 | .1 | .1 | | | | | | 9.6 | 6.0 |
| WSW | 1.7 | 1.6 | 2.8 | 1.6 | .2 | .1 | | | | | | 8.1 | 6.0 |
| W | 1.0 | 1.5 | 1.9 | 1.6 | .1 | | | | | | | 6.1 | 6.3 |
| WNW | .2 | .3 | .1 | .1 | | | | | | | | .7 | 6.1 |
| NW | .6 | .7 | .5 | .1 | .1 | .1 | | | | | | 2.0 | 6.3 |
| NNW | .9 | 1.7 | 1.3 | .4 | | | | | | | | 4.4 | 6.2 |
| VARBL | .7 | | | | | | | | | | | .7 | 1.4 |
| CALM | | | | | | | | | | | | 32.8 | |
| | 15.3 | 21.9 | 17.5 | 11.4 | .9 | .2 | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 1380

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/VAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SENBACH AB GERMANY

84-72

APR

ALL WEATHER

0000-0500

CONDITION

| SPEED
KNTS
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | .0 | 2.1 | 2.1 | .7 | .1 | | | | | | | 3.0 | 7.1 |
| NNE | 1.0 | 1.1 | .9 | .4 | | | | | | | | 3.4 | 6.1 |
| NE | 1.0 | 4.8 | 5.4 | 1.7 | .1 | | | | | | | 11.0 | 7.1 |
| ENE | .9 | 1.0 | 1.2 | .8 | | | | | | | | 4.7 | 6.8 |
| E | .4 | .2 | | .1 | | | | | | | | .7 | 3.1 |
| ESE | .3 | | | | | | | | | | | .2 | 2.3 |
| SE | .1 | .1 | | | | | | | | | | .2 | 3.3 |
| SSE | .7 | | | | | | | | | | | .8 | 2.7 |
| S | 1.2 | 1.2 | .1 | | | | | | | | | 2.3 | 3.8 |
| SSW | .8 | 1.0 | .5 | .1 | | | | | | | | 3.2 | 3.1 |
| SW | 1.4 | 3.5 | 3.6 | 2.0 | .3 | .1 | | | | | | 10.7 | 7.8 |
| WSW | 1.3 | 1.9 | 2.9 | 2.5 | .2 | .1 | .1 | | | | | 9.3 | 8.0 |
| W | 1.1 | 2.0 | 1.7 | 1.3 | .4 | .1 | | | | | | 6.4 | 8.0 |
| WNW | .2 | .4 | .4 | | | | | | | | | .9 | 2.8 |
| NW | .4 | 1.1 | .2 | .1 | | | | | | | | 1.7 | 6.9 |
| NNW | .3 | 1.1 | 1.3 | .4 | .1 | | | | | | | 3.4 | 7.0 |
| VARBL | .4 | .1 | | | | | | | | | | .6 | 2.0 |
| CALM | | | | | | | | | | | | 34.7 | |
| | 12.4 | 22.8 | 18.4 | 10.2 | 1.1 | .2 | .1 | | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS 1627

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

5472
YEARS

APR
MONTH

ALL WEATHER
CLASS

0610-0800
HOURS U.S.T.

CONDITION

| SPEED
(KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | % | MEAN
WIND
SPEED |
|-----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .6 | 2.5 | 2.0 | .6 | | | | | | | | 5.9 | 6.6 |
| NNE | .7 | .9 | 1.6 | .5 | .1 | | | | | | | 3.8 | 7.2 |
| NE | 1.6 | 3.7 | 3.0 | 1.8 | .2 | | | | | | | 10.2 | 7.2 |
| ENE | .9 | 1.8 | 2.2 | .9 | .1 | | | | | | | 5.9 | 7.2 |
| E | .6 | .6 | .1 | .1 | | | | | | | | 1.4 | 4.3 |
| ESE | .2 | .1 | | | | | | | | | | .2 | 3.0 |
| SE | .2 | | .1 | | | | | | | | | .3 | 4.0 |
| SSE | .4 | .1 | | | | | | | | | | .2 | 2.4 |
| S | 1.8 | .8 | .1 | | | | | | | | | 2.6 | 3.1 |
| SSW | 1.4 | 1.4 | .8 | .5 | | | | | | | | 4.2 | 3.7 |
| SW | 1.6 | 3.3 | 3.0 | 2.9 | .4 | .2 | | | | | | 11.2 | 8.3 |
| WSW | 1.5 | 2.3 | 4.0 | 3.0 | .3 | | | | | | | 11.1 | 8.6 |
| W | .9 | 2.3 | 1.7 | 1.1 | .1 | | | | | | | 6.2 | 7.2 |
| WNW | .3 | .4 | .2 | | | | | | | | | .9 | 4.8 |
| NW | .2 | .8 | .2 | .1 | | | | | | | | 1.3 | 3.6 |
| NNW | .4 | 1.2 | 1.8 | .4 | | | | | | | | 3.8 | 6.8 |
| VARBL | .4 | .1 | | | .1 | | | | | | | .6 | 4.2 |
| CALM | | | | | | | | | | | | 29.6 | |
| | 14.0 | 22.4 | 20.9 | 11.8 | 1.1 | .2 | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 1589

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEYBACH AB GERMANY
STATION STATION NAME

54-72

YEARS

APR

ALL WEATHER
CLASS

0900-1100
HOURS - L & T

COND T GR

| SPEED
KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.3 | 2.1 | 1.9 | 1.1 | .1 | | | | | | | 6.6 | 7.0 |
| NNE | .4 | 1.3 | 2.1 | .7 | .1 | | | | | | | 4.6 | 7.9 |
| NE | .4 | 2.7 | 4.3 | 2.4 | .2 | | | | | | | 10.0 | 8.7 |
| ENE | .8 | 1.8 | 3.4 | 1.6 | .2 | | | | | | | 7.8 | 8.2 |
| E | .4 | 1.0 | 1.2 | .3 | | | | | | | | 3.0 | 7.0 |
| ESE | .1 | .4 | .3 | .1 | | | | | | | | .9 | 6.7 |
| SE | .2 | .3 | .3 | .1 | | | | | | | | .9 | 6.1 |
| SSE | .4 | .3 | .1 | | | | | | | | | .9 | 4.1 |
| S | .3 | .4 | .4 | | | | | | | | | 1.1 | 3.1 |
| SSW | .7 | 1.3 | 1.1 | .6 | .2 | .1 | | | | | | 4.1 | 7.8 |
| SW | .6 | 2.1 | 4.4 | 4.3 | .9 | .6 | | | | | | 12.7 | 10.4 |
| WSW | .6 | 2.0 | 4.9 | 4.9 | .9 | .1 | | | | | | 13.3 | 10.1 |
| W | 1.1 | 2.0 | 4.0 | 3.3 | .4 | .1 | | | | | | 10.9 | 9.1 |
| WNW | .2 | .7 | .6 | .8 | | | | | | | | 2.3 | 8.0 |
| NW | .3 | .6 | 1.3 | .4 | .1 | | | | | | | 3.0 | 7.8 |
| NNW | .3 | 1.4 | 2.0 | 1.3 | .1 | | | | | | | 3.8 | 8.0 |
| VARBL | 1.4 | 1.3 | .6 | | | | | | | | | 3.3 | 4.2 |
| CALM | | | | | | | | | | | | 9.2 | |
| | 9.9 | 22.1 | 32.9 | 21.9 | 3.3 | .6 | | | | | | 100.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS 1982

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34050
STATION

SENBACH AB GERMANY
STATION NAME

54-72
YEAR

APR
MONTH

ALL WEATHER
CLASS

1200-1400
NO. OF OBS.

UNIT: KNOTS

| SPEED
KNTS
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | 0.8 | 2.3 | 2.1 | 1.4 | 1.2 | | | | | | | 7.0 | 7.6 |
| NNE | 1.4 | 1.3 | 1.8 | 1.9 | 1.1 | | | | | | | 4.6 | 7.0 |
| NE | 0.7 | 1.7 | 4.4 | 2.7 | 1.3 | 1.1 | | | | | | 9.9 | 9.2 |
| ENE | 0.4 | 1.4 | 3.3 | 2.7 | | | | | | | | 7.7 | 9.0 |
| E | 0.5 | 1.3 | 1.6 | 1.1 | 1.0 | | | | | | | 4.7 | 8.2 |
| ESE | 0.1 | 0.5 | 0.6 | 0.6 | | | | | | | | 1.8 | 8.6 |
| SE | 0.3 | 0.4 | 0.3 | 1.1 | | | | | | | | 1.0 | 6.1 |
| SSE | 0.1 | 0.4 | 0.4 | | | | | | | | | 0.8 | 6.3 |
| S | 0.2 | 0.4 | 0.7 | 1.2 | | | | | | | | 1.6 | 7.3 |
| SSW | 0.1 | 0.6 | 1.3 | 1.4 | 1.1 | | | | | | | 2.3 | 8.3 |
| SW | 0.4 | 1.3 | 3.2 | 3.6 | 1.0 | 1.2 | | | | | | 9.9 | 11.0 |
| WSW | 0.6 | 1.4 | 4.2 | 6.2 | 1.3 | 1.1 | 1.1 | | | | | 13.9 | 11.3 |
| W | 0.4 | 2.2 | 8.0 | 4.7 | 1.0 | 1.2 | | | | | | 13.3 | 10.3 |
| WNW | 0.6 | 0.6 | 1.0 | 1.7 | 1.1 | | | | | | | 3.0 | 7.6 |
| NW | 0.3 | 1.1 | 1.3 | 1.2 | 1.2 | | | | | | | 4.4 | 8.9 |
| NNW | 0.6 | 1.1 | 2.7 | 1.1 | 1.1 | | | | | | | 3.7 | 7.9 |
| VARBL | 1.4 | 1.7 | 0.9 | 0.2 | 0.6 | | | | | | | 4.0 | 3.4 |
| CALM | | | | | | | | | | | | 4.0 | |
| | 7.6 | 20.3 | 35.0 | 27.9 | 4.5 | 1.7 | 1.1 | | | | | 100.0 | 8.8 |

TOTAL NUMBER OF OBSERVATIONS

1281

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEMBACH AB GERMANY

54-72

APR

ALL WEATHER

1800-1700

CONDITION

| SPEED
KNTS
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | N | MEAN
WIND
SPEED |
|----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | .5 | 2.6 | 3.0 | 1.2 | .1 | | | | | | | 7.4 | 7.7 |
| NNE | .3 | 1.3 | 1.7 | .6 | .1 | | | | | | | 4.0 | 7.6 |
| NE | .5 | 2.2 | 4.8 | 2.1 | .5 | | | | | | | 10.2 | 8.9 |
| ENE | .4 | 1.7 | 3.0 | 1.5 | | | | | | | | 6.6 | 8.1 |
| E | .6 | 1.6 | 1.9 | .9 | | | | | | | | 3.3 | 7.1 |
| ESE | .2 | .8 | .7 | .4 | | | | | | | | 2.3 | 7.3 |
| SE | .3 | .4 | .7 | | | | | | | | | 1.4 | 5.9 |
| SSE | .2 | .7 | .2 | .1 | | | | | | | | 1.1 | 3.4 |
| S | .4 | 1.1 | .7 | .2 | | | | | | | | 2.5 | 6.6 |
| SSW | .1 | .6 | 1.3 | .7 | | | | | | | | 2.6 | 8.7 |
| SW | | 1.1 | 2.1 | 2.4 | .8 | .3 | | | | | | 6.8 | 11.9 |
| WSW | .6 | 1.3 | 3.2 | 4.8 | 1.3 | .2 | | | | | | 13.6 | 10.8 |
| W | .7 | 2.3 | 3.7 | 4.9 | 1.1 | .1 | | | | | | 14.8 | 10.1 |
| WNW | .2 | 1.0 | 1.2 | .7 | | | | | | | | 3.1 | 9.0 |
| NW | .1 | 1.3 | 1.8 | 1.1 | .2 | | | | | | | 4.3 | 9.1 |
| NNW | .6 | 1.3 | 2.3 | 2.2 | .3 | | | | | | | 6.6 | 9.3 |
| VARBL | .8 | 1.3 | .5 | .5 | | | | | | | | 3.3 | 6.2 |
| CALM | | | | | | | | | | | | 4.0 | |
| | 6.9 | 22.2 | 30.8 | 24.2 | 4.3 | .8 | | | | | | 100.0 | 8.8 |

TOTAL NUMBER OF OBSERVATIONS

1585

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

SURFACE WINDS

34056
STATION

SENBACH AB GERMANY
STATION NAME

34-05.72

APA

ALL WEATHER
CLASS

1800-2000

LINE 1-4

| SPEED
KNTS
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-44 | 45-51 | 52-59 | 60 | MEAN
WIND
SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------|
| N | 1.0 | 3.0 | 3.8 | 1.5 | .1 | | | | | | | 9.4 | 7.6 |
| NNE | 1.9 | 1.9 | 1.2 | 1.4 | | | | | | | | 4.4 | 6.3 |
| NE | 2.1 | 4.7 | 3.3 | 1.7 | .1 | | | | | | | 12.0 | 6.9 |
| ENE | 1.0 | 2.3 | 2.8 | 1.5 | .1 | | | | | | | 7.3 | 7.0 |
| E | 1.7 | 3.3 | 1.3 | .3 | .1 | | | | | | | 6.8 | 5.4 |
| ESE | 1.4 | 1.2 | .2 | .1 | | | | | | | | 1.9 | 3.2 |
| SE | .6 | .6 | .1 | | | | | | | | | 1.3 | 3.9 |
| SSE | .9 | .4 | .3 | | | | | | | | | 1.6 | 4.2 |
| S | .8 | .7 | .7 | .2 | | | | | | | | 2.4 | 5.8 |
| SSW | .6 | 1.5 | .6 | .4 | | | | | | | | 3.1 | 6.3 |
| SW | .7 | 2.8 | 3.1 | 1.5 | .7 | .1 | | | | | | 8.9 | 8.5 |
| WSW | 1.0 | 2.3 | 3.8 | 2.6 | .4 | | | | | | | 10.1 | 8.8 |
| W | 1.1 | 3.5 | 3.4 | 2.4 | .1 | .2 | | | | | | 10.8 | 8.2 |
| WNW | 1.0 | 1.1 | .6 | .4 | | | | | | | | 3.0 | 5.8 |
| NNW | .6 | .9 | .6 | .6 | .1 | | | | | | | 2.5 | 7.7 |
| NNW | .8 | 1.6 | 2.1 | 1.3 | .1 | | | | | | | 6.0 | 8.2 |
| VARBL | 2.2 | | | | | | | | | | | .2 | 2.3 |
| CALM | | | | | | | | | | | | .3 | |
| | 15.3 | 31.5 | 28.3 | 14.5 | 1.9 | .2 | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS

1221

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

24-08

APR

ALL WEATHER
CLASS

2100-2300
PERIOD

| SPEED
KNOTS
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-63 | 64-70 | 71-77 | 78-84 | 85-91 | 92-99 | MEAN
WIND
SPEED |
|-----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------|
| N | .6 | 3.0 | 3.0 | 1.1 | | | | | | | | | | | | | 7.9 |
| NNE | .7 | 1.4 | | 1.1 | | | | | | | | | | | | | 3.2 |
| NE | 1.3 | 4.4 | 3.7 | 1.9 | .1 | | | | | | | | | | | | 11.6 |
| ENE | .9 | 2.5 | 2.3 | .8 | | | | | | | | | | | | | 6.5 |
| E | .8 | 1.3 | .7 | .3 | | | | | | | | | | | | | 3.2 |
| ESE | .3 | .1 | .1 | | | | | | | | | | | | | | .5 |
| SE | .7 | .1 | | | | | | | | | | | | | | | .8 |
| SSE | .4 | .4 | .1 | | | | | | | | | | | | | | .9 |
| S | .9 | 1.6 | .1 | .1 | | | | | | | | | | | | | 2.7 |
| SSW | .9 | 1.1 | .4 | .4 | | | | | | | | | | | | | 2.8 |
| SW | 1.3 | 2.7 | 3.0 | 1.4 | .4 | .1 | | | | | | | | | | | 7.6 |
| WSW | 1.2 | 2.7 | 3.0 | 1.4 | .4 | .1 | | | | | | | | | | | 6.7 |
| W | 1.2 | 2.1 | 1.7 | 1.2 | .2 | .1 | | | | | | | | | | | 6.6 |
| WNW | .3 | .4 | .3 | .1 | | | | | | | | | | | | | 1.4 |
| NW | .4 | 1.2 | .3 | .2 | | | | | | | | | | | | | 2.3 |
| NNW | .8 | 2.1 | 1.6 | .3 | | | | | | | | | | | | | 5.1 |
| VARBL | .3 | | | | | | | | | | | | | | | | .3 |
| CALM | | | | | | | | | | | | | | | | | 27.7 |
| | 13.6 | 26.8 | 20.8 | 9.6 | 1.2 | .2 | | | | | | | | | | | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1350

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SEIBACH AFB GERMANY
STATION NAME

54-68,71
YEARS

JAY
MONTH

ALL WEATHER
CLASS

010000
HOURS PER YEAR

CONDITION

| SPEED
KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1 | 1.2 | 0 | 3 | | 1.1 | | | | | | 3.5 | 5.4 |
| NNE | | 0 | 0 | 0 | | | | | | | | 1.7 | 1.7 |
| NE | 1.0 | 3.5 | 3.5 | 0 | | | | | | | | 1.7 | 2.7 |
| ENE | 1.0 | 3.5 | 1.0 | 0 | | | | | | | | 4.1 | 2.1 |
| E | 1 | 1 | 2 | 3 | 1 | | | | | | | 2.6 | 2.6 |
| ESE | 1.4 | 1 | 1 | | | | | | | | | 1.4 | 4.4 |
| SE | | 2 | | | | | | | | | | 0.9 | 2.4 |
| SSE | | 4 | | | | | | | | | | 0.6 | 3.5 |
| S | 1.0 | 1.4 | 1 | | | 1.1 | | | | | | 3.1 | 6.2 |
| SSW | 1.2 | 0 | 0 | 1 | 0 | | | | | | | 2.9 | 2.9 |
| SW | 1.3 | 2.4 | 2.5 | 1.1 | 0 | | | | | | | 7.9 | 7.4 |
| WSW | 1.1 | 2.4 | 2.4 | 1.1 | 0 | 1.1 | | | | | | 7.4 | 7.9 |
| W | 0 | 3.1 | 2.0 | 0 | | 1.1 | | | | | | 4.4 | 6.5 |
| WNW | 0 | 0 | 0 | 1 | | | | | | | | 1.9 | 2.9 |
| NW | 0.4 | 1.0 | 0.4 | 1.1 | | | | | | | | 1.9 | 2.8 |
| NNW | 0.5 | 0.9 | 0.7 | 1.2 | 1.1 | | | | | | | 2.4 | 6.8 |
| VARBL | 0.3 | | | | | | | | | | | 0.8 | 1.8 |
| CALM | | | | | | | | | | | | 41.9 | |
| | 13.6 | 22.6 | 13.7 | 3.6 | 0 | 0.4 | | | | | | 100.0 | 2.7 |

TOTAL NUMBER OF OBSERVATIONS 1401

1
DATA PROCESSING BRANCH
STAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEYBACH AB GERMANY
STATION

54-72

MAY
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS

CONDITION

| SPEED
(KNTS) | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-----------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|-------|-----------------------|
| DIR | | | | | | | | | | | | | |
| N | 1.2 | 1.2 | .9 | .3 | | | | | | | | 3.7 | 2.0 |
| NNE | 1.6 | 1.2 | .1 | | | | | | | | | 2.1 | 4.0 |
| NE | 1.6 | 3.5 | 2.7 | .8 | | | | | | | | 8.5 | 6.3 |
| ENE | .9 | 1.7 | 1.2 | .6 | | | | | | | | 4.3 | 6.3 |
| E | .7 | .8 | .3 | .3 | .1 | | | | | | | 2.1 | 6.2 |
| ESE | .1 | | | | | | | | | | | .1 | 2.0 |
| SE | .5 | .1 | | | | | | | | | | .7 | 2.3 |
| SSE | .5 | | .1 | | | | | | | | | .2 | 3.0 |
| S | 2.0 | .9 | .6 | .1 | | | | | | | | 3.7 | 4.3 |
| SSW | 1.1 | 1.6 | .5 | .1 | .1 | | | | | | | 3.4 | 3.2 |
| SW | 1.6 | 3.0 | 2.5 | 1.1 | .2 | .1 | | | | | | 8.5 | 6.9 |
| WSW | 1.4 | 2.4 | 3.5 | 2.0 | .2 | .2 | | | | | | 9.7 | 8.4 |
| W | 1.8 | 2.4 | 1.6 | .9 | .1 | | | | | | | 6.8 | 6.0 |
| WNW | .2 | .8 | .2 | | | | | | | | | 1.1 | 3.4 |
| NW | .6 | .8 | .3 | .1 | | | | | | | | 1.8 | 4.7 |
| NNW | .6 | .9 | .8 | .1 | | | | | | | | 2.5 | 3.9 |
| VARBL | .8 | | | | | | | | | | | .8 | 1.8 |
| CALM | | | | | | | | | | | | 39.9 | |
| | 10.1 | 21.2 | 15.4 | 6.2 | .6 | .3 | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 1677

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEMBACH AB GERMANY

34072

MAY

ALL WEATHER

0000-0800

CONDITION

| SPEED
(KNTS)
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|-------|-----------------------|
| N | .8 | 1.0 | 1.2 | .2 | | | | | | | | 3.3 | 0.1 |
| NNE | .7 | .7 | .7 | .1 | | | | | | | | 2.2 | 0.2 |
| NE | 1.5 | 3.9 | 2.8 | .9 | | | | | | | | 9.2 | 0.4 |
| ENE | .9 | 2.1 | 1.8 | .9 | | | | | | | | 3.7 | 0.7 |
| E | .7 | 1.1 | .6 | .3 | .1 | | | | | | | 2.8 | 0.4 |
| ESE | .1 | .2 | .1 | | | | | | | | | .4 | 0.2 |
| SE | .5 | .1 | | | | | | | | | | .6 | 0.2 |
| SSE | .4 | .1 | | | | | | | | | | .6 | 0.1 |
| S | 1.4 | .9 | .4 | .2 | | | | | | | | 2.9 | 0.8 |
| SSW | 1.5 | 1.1 | .6 | .4 | .1 | .1 | | | | | | 3.7 | 0.0 |
| SW | .9 | 3.6 | 3.4 | 1.6 | .4 | | | | | | | 9.9 | 7.8 |
| WSW | 1.8 | 3.3 | 4.3 | 2.7 | .4 | .1 | | | | | | 12.6 | 7.9 |
| W | 1.0 | 2.1 | 2.3 | 1.6 | .2 | | | | | | | 7.2 | 7.9 |
| WNW | .1 | .6 | .2 | .1 | | | | | | | | 1.0 | 2.8 |
| NW | .2 | .7 | .3 | .3 | | | | | | | | 1.7 | 7.0 |
| NNW | .6 | 1.1 | 1.4 | .2 | | | | | | | | 3.3 | 0.2 |
| VARBL | 1.2 | .3 | .1 | | | | | | | | | 1.6 | 2.3 |
| CALM | | | | | | | | | | | | 31.2 | |
| | 14.6 | 23.0 | 20.5 | 9.5 | 1.2 | .1 | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 1020

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEYBACH AB GERMANY

34-72

MAY

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER
CLASS

0000-1100
HOURS U.S.T.

CONDITION

| SPEED
KNTS:
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|-------|-----------------------|
| N | 1.2 | 1.6 | 2.2 | .5 | | | | | | | | 5.5 | 4.7 |
| NNE | 1.4 | 1.3 | 1.2 | .2 | | | | | | | | 3.1 | 4.3 |
| NE | .7 | 2.3 | 4.0 | 1.7 | .2 | | | | | | | 9.2 | 8.0 |
| ENE | .6 | 2.3 | 3.2 | 1.0 | .1 | .1 | | | | | | 7.2 | 7.8 |
| E | .4 | 1.6 | 1.9 | .9 | .2 | .2 | | | | | | 5.2 | 6.6 |
| ESE | .3 | .6 | .3 | .1 | | | | | | | | 1.3 | 2.3 |
| SE | .4 | .2 | .1 | .1 | | | | | | | | .9 | 4.4 |
| SSE | .1 | .2 | .4 | .1 | | | | | | | | .9 | 7.3 |
| S | .8 | .8 | .3 | | | | | | | | | 1.9 | 4.2 |
| SSW | .5 | 1.1 | .9 | 1.0 | .1 | | .1 | | | | | 3.6 | 8.1 |
| SW | .7 | 1.8 | 3.2 | 3.7 | 1.0 | .2 | .1 | | | | | 10.6 | 10.3 |
| WSW | 1.0 | 3.1 | 4.8 | 4.4 | .7 | .1 | .1 | | | | | 14.2 | 9.3 |
| W | 1.2 | 3.2 | 4.8 | 4.3 | .4 | .2 | | | | | | 14.0 | 9.1 |
| WNW | .2 | .9 | .5 | .2 | | | | | | | | 1.9 | 7.0 |
| NW | .3 | 1.9 | .6 | .1 | | | | | | | | 3.7 | 6.9 |
| NNW | .5 | .9 | 1.5 | .9 | | | | | | | | 2.9 | 7.6 |
| VARBL | 2.6 | 1.2 | .4 | .2 | | | | | | | | 4.5 | 3.9 |
| CALM | | | | | | | | | | | | 8.1 | |
| | 12.1 | 25.2 | 30.7 | 19.9 | 2.7 | .8 | .2 | | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS

1637

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SENBACH AB GERMANY
STATION NAME

54-72
YEAR

JAY
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .6 | 2.0 | 2.3 | .6 | .1 | | | | | | | 6.2 | 8.9 |
| NNE | .2 | 1.8 | 1.7 | .4 | | | | | | | | 4.2 | 7.0 |
| NE | 1.0 | 2.4 | 4.4 | 2.3 | .2 | | | | | | | 10.6 | 8.4 |
| ENE | .2 | 1.7 | 3.0 | 1.3 | | .1 | | | | | | 6.3 | 9.0 |
| E | .3 | 1.8 | 2.4 | .9 | .1 | .2 | | | | | | 5.9 | 8.3 |
| ESE | .1 | .4 | 1.2 | .2 | | | | | | | | 2.0 | 7.9 |
| SE | .1 | .4 | .3 | .1 | .1 | | | | | | | 1.2 | 7.6 |
| SSE | .2 | .4 | .3 | .1 | | | | | | | | 1.0 | 6.4 |
| S | .5 | .7 | .6 | .1 | | | | | | | | 2.2 | 5.3 |
| SSW | .2 | .3 | .9 | .7 | .1 | | | | | | | 2.4 | 9.6 |
| SW | .2 | .7 | 3.2 | 3.9 | 1.3 | .4 | | | | | | 9.8 | 12.1 |
| WSW | .2 | 1.7 | 4.3 | 3.3 | .8 | .1 | | | | | | 12.7 | 10.7 |
| W | .8 | 3.2 | 3.3 | 6.2 | 1.1 | .1 | | | | | | 16.9 | 10.2 |
| WNW | .4 | 1.0 | .9 | .7 | | .1 | | | | | | 3.1 | 7.7 |
| NW | .2 | 1.1 | 1.6 | .4 | .1 | | | | | | | 3.4 | 8.0 |
| NNW | .3 | 1.3 | 1.8 | .6 | .1 | | | | | | | 4.4 | 7.3 |
| VARBL | 1.4 | 1.6 | 1.0 | .1 | | | | | | | | 4.1 | 3.1 |
| CALM | | | | | | | | | | | | 3.6 | |
| | 7.6 | 22.6 | 35.3 | 24.6 | 4.0 | 1.0 | | | | | | 100.0 | 8.7 |

TOTAL NUMBER OF OBSERVATIONS 1025

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24056 SEMBACH AB GERMANY

54-72

MAY

ALL WEATHER

1900-1700

CONDITION

| SPEED
(KNTS):
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | 2.2 | 2.5 | 1.7 | | | | | | | | 7.1 | 7.8 |
| NNE | .6 | 1.8 | 1.7 | 1.5 | .1 | | | | | | | 4.6 | 6.7 |
| NE | .5 | 2.6 | 3.1 | 2.0 | .1 | | | | | | | 8.2 | 8.0 |
| ENE | .2 | 1.7 | 3.7 | 1.5 | .1 | | | | | | | 7.2 | 8.4 |
| E | .6 | 1.1 | 3.3 | 1.3 | .4 | .1 | | | | | | 6.9 | 9.1 |
| ESE | .1 | .8 | 1.0 | .2 | | | | | | | | 2.2 | 7.1 |
| SE | .2 | .4 | .8 | .2 | | | | | | | | 1.7 | 7.4 |
| SSE | .2 | .6 | .7 | .1 | | | | | | | | 1.7 | 6.5 |
| S | .6 | 1.1 | .3 | .1 | | | | | | | | 2.0 | 5.0 |
| SSW | .2 | .5 | .7 | .4 | .1 | .1 | | | | | | 2.1 | 8.6 |
| SW | .3 | .6 | 2.6 | 3.4 | .8 | .2 | | | | | | 7.9 | 11.4 |
| WSW | .6 | 1.7 | 4.5 | 3.1 | .7 | .1 | | | | | | 12.6 | 10.3 |
| W | 1.4 | 2.0 | 6.3 | 3.6 | .4 | .2 | | .1 | | | | 16.6 | 10.0 |
| WNW | .4 | 1.1 | 1.5 | .6 | .1 | | | | | | | 3.6 | 7.6 |
| NW | .2 | 1.2 | 1.9 | .7 | .1 | | | | | | | 4.3 | 8.0 |
| NNW | .4 | 1.2 | 1.2 | .9 | .1 | | | | | | | 3.8 | 8.0 |
| VARBL | 1.0 | 1.4 | .3 | .1 | | | | | | | | 2.8 | 4.4 |
| CALM | | | | | | | | | | | | 4.8 | |
| | 8.3 | 22.1 | 36.1 | 24.6 | 3.3 | .7 | | .1 | | | | 100.0 | 8.3 |

TOTAL NUMBER OF OBSERVATIONS 1020

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

54-08, 71-72
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CORRECTION

| SPEED
KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | 2.3 | 2.5 | .9 | | | | | | | | 6.4 | 7.1 |
| NNE | 1.7 | 2.0 | 1.1 | .2 | | | | | | | | 2.2 | 3.1 |
| NE | 1.9 | 4.1 | 4.3 | 1.3 | .1 | | | | | | | 11.6 | 6.8 |
| ENE | 1.2 | 3.1 | 2.6 | .9 | | | | | | | | 7.8 | 6.5 |
| E | 1.1 | 3.2 | 2.3 | .6 | .1 | .1 | | | | | | 7.8 | 6.3 |
| ESE | .8 | .1 | 1.1 | .1 | | | | | | | | 2.0 | 6.0 |
| SE | .3 | .6 | .1 | .1 | | | | | | | | 1.1 | 3.4 |
| SSE | .3 | .2 | .1 | .1 | | | | | | | | 1.0 | 3.2 |
| S | 1.0 | .9 | .3 | .1 | | | | | | | | 2.3 | 4.6 |
| SSW | .6 | .9 | .8 | .1 | .1 | .1 | | | | | | 2.6 | 6.9 |
| SW | .8 | 1.9 | 3.1 | 1.0 | .6 | .1 | | | | | | 7.3 | 8.3 |
| WSW | .9 | 3.0 | 4.4 | 2.4 | .4 | | | | | | | 11.0 | 8.3 |
| W | 1.2 | 4.0 | 4.8 | 2.9 | .1 | .1 | | | | | | 12.1 | 8.1 |
| WNW | .8 | .6 | 1.3 | .1 | .1 | | | | | | | 2.9 | 6.3 |
| NW | .3 | .9 | 1.8 | .3 | .1 | | | | | | | 3.7 | 7.7 |
| NNW | .7 | 1.2 | 1.3 | .6 | | | | | | | | 4.1 | 7.1 |
| VARBL | .4 | | | | | | | | | | | .4 | 1.6 |
| CALM | | | | | | | | | | | | 6.8 | |
| | 15.1 | 30.1 | 32.1 | 12.0 | 1.6 | .3 | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS

1800

DATA PROCESSING BRANCH
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

34056 STATION SEEBACH AB GERMANY STATION NAME

34-68.71

MAY NORTH

ALL WEATHER CLASS

2100-2200 HOURS U.S.T.

CONDITION

| SPEED
KNTS:
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | 1.8 | 2.4 | 1.0 | .7 | | | | | | | | 5.9 | 5.6 |
| NNE | 1.2 | 2.1 | .4 | .4 | | | | | | | | 3.9 | 4.8 |
| NE | 1.9 | 3.3 | 2.6 | .7 | | | | | | | | 8.5 | 6.1 |
| ENE | 1.5 | 3.5 | 2.8 | .5 | | | | | | | | 8.3 | 6.2 |
| E | 1.0 | 1.7 | .6 | .1 | .1 | | | | | | | 3.8 | 5.6 |
| ESE | .6 | .4 | .1 | | | | | | | | | 1.1 | 3.9 |
| SE | .8 | .5 | .1 | | | | | | | | | 1.4 | 3.7 |
| SSE | .6 | .4 | | | | | | | | | | 1.0 | 3.3 |
| S | .9 | 1.4 | .6 | .1 | | | | | | | | 3.0 | 4.9 |
| SSW | 1.0 | 1.3 | .4 | .1 | .1 | .1 | | | | | | 3.0 | 5.8 |
| SW | 1.8 | 3.3 | 2.0 | 1.4 | .1 | .1 | | | | | | 8.6 | 6.9 |
| WSW | .8 | 2.8 | 2.4 | .8 | .2 | .1 | .1 | | | | | 7.1 | 7.7 |
| W | 1.3 | 3.3 | 2.1 | .4 | | | | | | | | 7.1 | 5.9 |
| WNW | .9 | .6 | .4 | .1 | .1 | .1 | | | | | | 2.1 | 5.6 |
| NW | .3 | .9 | .4 | .2 | .1 | | | | | | | 1.8 | 6.3 |
| NNW | .8 | .6 | .9 | .2 | | | | | | | | 2.3 | 6.2 |
| VARBL | .3 | | | | | | | | | | | .3 | 1.3 |
| CALM | | | | | | | | | | | | 30.4 | |
| | 17.7 | 28.2 | 17.1 | 5.4 | .8 | .2 | .1 | | | | | 100.0 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS 1399

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEIBACH AB GERMANY
STATION STATION NAME

56-68
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS U.S.T.

CONDITION

| SPEED
KNTS:
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .9 | 1.4 | .9 | .1 | | | | | | | | 3.3 | 3.3 |
| NNE | .7 | .6 | .4 | .1 | | | | | | | | 1.9 | 2.0 |
| NE | 1.9 | 2.8 | 1.9 | .4 | .1 | | | | | | | 7.0 | 3.8 |
| ENE | 1.2 | 1.3 | 1.0 | .7 | .1 | | | | | | | 4.3 | 4.7 |
| E | .6 | 1.0 | .4 | .2 | | | | | | | | 2.3 | 6.0 |
| ESE | .2 | .1 | .1 | | | | | | | | | .4 | 4.2 |
| SE | .3 | .1 | | | | | | | | | | .4 | 2.0 |
| SSE | .5 | | .1 | | | | | | | | | .6 | 2.3 |
| S | 1.4 | 1.0 | .1 | | | .1 | | | | | | 2.6 | 4.1 |
| SSW | .7 | 1.6 | .9 | .1 | | | | | | | | 3.3 | 2.4 |
| SW | 1.3 | 3.1 | 3.0 | 1.0 | .1 | | | | | | | 8.2 | 6.9 |
| WSW | 1.3 | 2.7 | 1.8 | 1.4 | | | | | | | | 7.2 | 7.1 |
| W | 1.4 | 2.9 | 2.2 | 1.3 | .1 | | | | | | | 7.3 | 6.9 |
| WNW | .7 | .8 | .3 | .1 | | | | | | | | 1.9 | 3.2 |
| NW | .7 | .4 | .3 | | | | | | | | | 1.6 | 3.0 |
| NNW | 1.1 | 1.3 | .7 | .1 | | | | | | | | 3.2 | 3.0 |
| VARBL | .2 | | | | | | | | | | | .2 | 1.7 |
| CALM | | | | | | | | | | | | 49.9 | |
| | 15.1 | 20.6 | 14.2 | 5.7 | .4 | .1 | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS 1349

8
1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEMBACH AB GERMANY

54-72

U.S.A.
MONTH

ALL WEATHER
CLASS

0000-0000
HOURS, U.S.T.

CONDITION

| SPEED
KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .9 | .4 | .1 | | | | | | | | 2.0 | 2.4 |
| NNE | .7 | 1.0 | .6 | .2 | | | | | | | | 2.5 | 3.6 |
| NE | 1.6 | 2.5 | 1.8 | .2 | | | | | | | | 7.2 | 8.2 |
| ENE | .8 | 1.3 | 1.1 | .5 | | | | | | | | 2.7 | 6.5 |
| E | .5 | .4 | .1 | .3 | | | | | | | | 1.3 | 6.4 |
| ESE | .3 | | | | | | | | | | | .3 | 2.0 |
| SE | .6 | .1 | | | | | | | | | | .7 | 2.7 |
| SSE | .5 | .1 | | .1 | | | | | | | | .6 | 2.7 |
| S | 1.5 | 1.4 | .1 | .1 | | | | | | | | 3.2 | 4.0 |
| SSW | 1.1 | 1.3 | .6 | .2 | | .1 | | | | | | 3.2 | 2.8 |
| SW | 1.3 | 2.9 | 2.0 | 1.5 | .1 | .1 | | | | | | 8.9 | 7.6 |
| WSW | 1.2 | 2.9 | 2.6 | 1.1 | .1 | | | | | | | 7.8 | 6.8 |
| W | 1.2 | 2.7 | 2.1 | 1.2 | | | | | | | | 7.3 | 6.8 |
| WNW | .1 | .8 | .1 | .1 | | | | | | | | 1.1 | 4.9 |
| NW | .4 | .6 | .1 | | | | | | | | | 1.1 | 4.1 |
| NNW | .8 | .8 | .6 | .1 | | | | | | | | 2.2 | 4.9 |
| VARBL | .4 | | | | | | | | | | | .4 | 1.8 |
| CALM | | | | | | | | | | | | 46.5 | |
| | 13.7 | 20.6 | 13.2 | 5.6 | .2 | .1 | | | | | | 100.0 | 3.2 |

TOTAL NUMBER OF OBSERVATIONS 1420

DATA PROCESSING BRANCH
 BTAG/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

34056 SEV BACH AB GERMANY
 STATION

54-72

ALL WEATHER
 CLASS

JUN 1974
 0600-0800
 NO. OF OBS

| SPEED
KNTS
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | 1.7 | 1.0 | 1.4 | 1.1 | | | | | | | | 3.2 | 3.9 |
| NNE | 1.8 | 1.0 | 1.2 | 1.2 | 1.1 | | | | | | | 2.2 | 3.2 |
| NE | 1.6 | 3.3 | 2.7 | 1.6 | 1.1 | | | | | | | 8.5 | 6.2 |
| ENE | 1.0 | 2.7 | 1.8 | 1.4 | | | | | | | | 1.9 | 4.2 |
| E | 1.7 | .8 | .6 | 1.2 | | | | | | | | 2.2 | 3.7 |
| ESE | .1 | | .1 | | | | | | | | | .1 | 0.0 |
| SE | .4 | .2 | | 1.1 | | | | | | | | .6 | 4.3 |
| SSE | .4 | .2 | | | | | | | | | | .6 | 2.1 |
| S | 1.1 | 1.8 | .3 | | | | | | | | | 2.1 | 3.8 |
| SSW | 1.1 | 1.1 | 1.8 | 2.1 | | | | | | | | 3.2 | 3.1 |
| SW | 1.1 | 3.3 | 3.3 | 1.4 | 1.3 | | | | | | | 10.7 | 7.7 |
| WSW | 1.1 | 3.3 | 4.6 | 1.7 | 1.3 | 1.1 | 1.1 | | | | | 11.3 | 7.7 |
| W | 1.1 | 2.3 | 2.7 | 1.3 | 1.3 | | | | | | | 8.2 | 7.8 |
| WNW | .4 | .3 | .6 | .2 | | | | | | | | 1.3 | 6.9 |
| NW | .4 | .6 | .3 | .2 | | | | | | | | 1.6 | 3.6 |
| NNW | .3 | 1.3 | .7 | 1.1 | 1.1 | | | | | | | 2.7 | 6.0 |
| VARBL | 1.4 | .7 | .2 | .1 | | | | | | | | 2.2 | 3.3 |
| CALM | | | | | | | | | | | | 32.7 | |
| | 14.2 | 24.1 | 20.2 | 7.6 | 1.1 | .1 | .1 | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS 1373

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/ETAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34050
STATION

SENBACH AB GERMANY
STATION NAME

24-72
PERIOD

ALL WEATHER
CLASS

0900-1101
TIME

COND. A

| SPEED
KNTS
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | Σ | MEAN
WIND
SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | .4 | 2.2 | 2.4 | .3 | | | | | | | | 5.3 | 6.8 |
| NNE | .4 | 1.4 | 1.2 | .2 | | | | | | | | 3.4 | 6.0 |
| NE | .9 | 4.8 | 3.2 | 1.0 | | | | | | | | 9.9 | 6.7 |
| ENE | .9 | 2.6 | 3.1 | 1.2 | | | | | | | | 7.8 | 7.2 |
| E | .6 | 1.9 | .9 | .6 | .1 | | | | | | | 4.1 | 6.7 |
| ESE | .2 | .5 | .3 | .1 | | | | | | | | 1.0 | 3.9 |
| SE | .3 | .5 | .1 | .1 | | | | | | | | .9 | 3.3 |
| SSE | .1 | .6 | .3 | | | | | | | | | .9 | 3.0 |
| S | .9 | .7 | .3 | | | | | | | | | 1.9 | 3.9 |
| SSW | .3 | 1.0 | 1.0 | .3 | | | | | | | | 2.6 | 6.9 |
| SW | .6 | 3.0 | 4.4 | 3.5 | .4 | .2 | | | | | | 12.2 | 9.3 |
| WSW | .8 | 3.2 | 5.6 | 4.4 | .4 | | | | | | | 14.3 | 9.1 |
| W | 1.5 | 3.0 | 5.4 | 3.5 | .6 | | | | | | | 14.1 | 8.8 |
| WNW | .4 | 1.2 | .9 | .3 | | | | | | | | 2.6 | 6.5 |
| NW | .3 | 1.9 | .9 | .3 | .1 | | | | | | | 2.6 | 7.6 |
| NNW | .5 | 1.3 | 1.1 | .4 | | | | | | | | 3.3 | 6.4 |
| VARBL | 2.5 | 1.5 | .5 | .3 | | | | | | | | 4.8 | 4.4 |
| CALM | | | | | | | | | | | | 8.4 | |
| | 11.0 | 30.3 | 31.6 | 13.4 | 1.6 | .2 | | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS

1580

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/ MC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

34056

SE BAC- AB GERMANY

54-72

ALL WEATHER

1201-1400

| DIRECTION | 0-1 | 2-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | 90-99 | TOTAL | MEAN |
|-----------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| WIND | 0-1 | 2-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | 90-99 | TOTAL | WIND |
| N | .4 | 1.7 | 2.7 | .2 | | | | | | | | 5.2 | 7.1 |
| NNE | .3 | 1.3 | 1.4 | .4 | .1 | | | | | | | 3.4 | 7.2 |
| NE | .6 | 2.4 | 2.9 | 1.3 | .1 | | | | | | | 7.3 | 7.7 |
| ENE | .9 | 2.2 | 2.0 | 1.4 | .1 | | | | | | | 6.6 | 7.6 |
| E | .8 | 2.2 | 2.7 | 1.5 | | | | | | | | 7.2 | 7.7 |
| ESE | .3 | .8 | .5 | .3 | | | | | | | | .9 | 6.5 |
| SE | .3 | .7 | .3 | .3 | | | | | | | | .4 | 6.1 |
| SSE | .2 | .7 | .4 | | | | | | | | | 1.3 | 5.7 |
| S | 1.1 | .9 | .5 | | | | | | | | | 2.5 | 4.8 |
| SSW | .3 | 1.1 | 1.0 | .7 | .1 | .1 | | | | | | 3.2 | 8.1 |
| SW | .5 | 2.0 | 3.3 | 3.4 | .6 | | | | | | | 10.0 | 9.9 |
| WSW | .6 | 1.7 | 4.9 | 4.3 | .4 | | | | | | | 12.1 | 9.8 |
| W | .8 | 4.2 | 7.0 | 6.3 | .6 | | | | | | | 18.9 | 9.4 |
| WNW | .3 | 1.3 | 1.1 | .6 | .1 | | | | | | | 3.3 | 7.5 |
| NW | .4 | 1.3 | 1.0 | .4 | .1 | | | | | | | 3.3 | 7.3 |
| NNW | .4 | 1.2 | 1.6 | .7 | | | | | | | | 3.7 | 7.3 |
| VARBL | 1.3 | 1.1 | .6 | .3 | .1 | | | | | | | 3.5 | 5.4 |
| CALM | | | | | | | | | | | | 5.2 | |
| TOTAL | 9.3 | 26.8 | 34.1 | 22.4 | 2.2 | .1 | | | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS

1967

AD-A087 621 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
SENBACH AB, GERMANY, REVISED UNIFORM SUMMARY OF SURFACE WEATHER--ETC (U)
SEP 74
UNCLASSIFIED USAFETAC/DS-80/061 NL

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
SENBACH AB, GERMANY, REVISED UNIFORM SUMMARY OF SURFACE WEATHER--ETC (U)
SEP 74
USAFETAC/DS-80/061

UNCLASSIFIED

NL

2.5

1
DATA PROCESSING BRANCH
BTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SENBACH AB GERMANY
STATION NAME

94-72
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1800-1700
HOURS (L E T)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.7 | 2.2 | .8 | | | | | | | | 3.7 | 7.0 |
| NNE | .4 | 1.8 | 1.4 | .5 | | | | | | | | 3.8 | 7.0 |
| NE | .4 | 1.6 | 2.5 | 1.5 | .1 | | | | | | | 6.2 | 8.2 |
| ENE | .7 | 1.8 | 3.3 | 1.0 | | | | | | | | 6.8 | 7.6 |
| E | .4 | 1.7 | 2.2 | 1.1 | .1 | | | | | | | 5.3 | 8.0 |
| ESE | .6 | .8 | .4 | .2 | | | | | | | | 2.0 | 5.7 |
| SE | .6 | .4 | .6 | | | | | | | | | 1.7 | 5.2 |
| SSE | .2 | .7 | .8 | .1 | | | | | | | | 1.8 | 6.2 |
| S | .3 | 1.3 | .9 | | .1 | | | | | | | 2.9 | 6.4 |
| SSW | .4 | 1.3 | 1.0 | .2 | | | | | | | | 2.9 | 6.3 |
| SW | .3 | 2.2 | 3.4 | 2.4 | .1 | .1 | | | | | | 8.7 | 8.6 |
| WSW | .2 | 2.6 | 3.3 | 3.0 | 1.0 | .1 | | | | | | 12.2 | 10.4 |
| W | .6 | 4.0 | 6.9 | 7.2 | .4 | | | | | | | 19.1 | 9.8 |
| WNW | .6 | .6 | .9 | 1.0 | .1 | | | | | | | 3.1 | 8.1 |
| NW | .4 | 1.0 | 1.3 | 1.1 | .1 | | | | | | | 4.0 | 8.4 |
| NNW | .3 | 1.2 | 2.2 | .8 | | | | | | | | 4.7 | 7.8 |
| VARBL | 1.6 | 1.0 | 1.0 | .2 | | | | | | | | 3.8 | 8.1 |
| CALM | | | | | | | | | | | | 5.5 | |
| | 9.8 | 25.4 | 34.1 | 22.1 | 1.9 | .1 | | | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS 1848

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

54-08, 71-72
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | 2.9 | 2.1 | .6 | | | | | | | | 4.7 | 4.3 |
| NNE | 1.0 | 1.2 | 1.0 | .4 | | | | | | | | 2.6 | 3.7 |
| NE | .7 | 4.0 | 2.6 | .7 | | | | | | | | 2.2 | 4.3 |
| ENE | 1.9 | 2.2 | 2.3 | .4 | | | | | | | | 6.8 | 6.0 |
| E | 1.3 | 1.3 | 1.3 | .4 | .1 | | | | | | | 6.9 | 6.4 |
| ESE | .7 | .4 | .1 | | | | | | | | | 1.3 | 2.8 |
| SE | .3 | .3 | .1 | | | | | | | | | .8 | 3.0 |
| SSE | .3 | .3 | .2 | .1 | | | | | | | | 1.3 | 3.2 |
| S | .6 | 1.0 | .7 | .1 | | | | | | | | 2.6 | 3.6 |
| SSW | .7 | 1.3 | .4 | .1 | .1 | | | | | | | 2.7 | 3.6 |
| SW | 1.0 | 2.2 | 2.9 | .7 | .1 | | | | | | | 7.0 | 7.0 |
| WSW | 1.0 | 2.8 | 4.3 | 2.6 | .1 | | | | | | | 11.8 | 7.4 |
| W | 1.9 | 3.8 | 6.3 | 3.2 | .4 | | | | | | | 17.9 | 7.3 |
| WNW | .3 | 1.6 | 1.2 | .4 | .2 | | | | | | | 4.0 | 7.3 |
| NW | .7 | 1.2 | 1.2 | .3 | .1 | | | | | | | 3.9 | 6.3 |
| NNW | .3 | 2.3 | 1.4 | .3 | | | | | | | | 3.3 | 6.7 |
| VARBL | .4 | .1 | | | | | | | | | | .3 | 2.4 |
| CALM | | | | | | | | | | | | 10.8 | |
| | 13.7 | 32.4 | 29.8 | 11.2 | 1.0 | | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS

1389

DATA PROCESSING BRANCH
STAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SEMBACH AB GERMANY
STATION NAME

50-68
YEARS

JUN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.6 | 2.9 | 1.5 | .1 | | | | | | | | 5.0 | 3.2 |
| NNE | 1.6 | 1.9 | .2 | .1 | .1 | | | | | | | 3.4 | 4.3 |
| NE | 1.6 | 2.6 | 1.7 | .4 | | | | | | | | 6.2 | 3.7 |
| ENE | 1.9 | 1.9 | .7 | .7 | .1 | | | | | | | 3.3 | 3.8 |
| E | 1.2 | 1.1 | .7 | .1 | | | | | | | | 3.2 | 3.3 |
| ESE | .4 | .1 | .1 | | | | | | | | | .7 | 3.6 |
| SE | 1.0 | .4 | | | | | | | | | | 1.3 | 3.2 |
| SSE | .3 | .1 | | .1 | | | | | | | | .7 | 4.4 |
| S | 1.0 | 1.6 | .4 | | | | | | | | | 3.0 | 4.3 |
| SSW | .8 | 1.1 | .4 | .1 | .1 | | | | | | | 2.3 | 3.2 |
| SW | 1.3 | 2.4 | 1.3 | .7 | | | | | | | | 6.1 | 6.1 |
| WSW | 1.6 | 2.2 | 2.8 | 1.1 | | | | | | | | 7.8 | 6.8 |
| W | 2.1 | 3.6 | 2.8 | 1.6 | .1 | | | | | | | 10.1 | 6.8 |
| WNW | .6 | 1.1 | .4 | .2 | | | | | | | | 2.4 | 3.9 |
| NW | .3 | 2.0 | .7 | .1 | | | | | | | | 3.2 | 6.0 |
| NNW | .6 | 1.4 | 1.0 | .1 | | | | | | | | 3.0 | 3.3 |
| VARBL | .6 | | | | | | | | | | | .6 | 1.8 |
| CALM | | | | | | | | | | | | 34.6 | |
| | 19.7 | 23.2 | 13.2 | 3.4 | .4 | | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 1380

1

DATA PROCESSING BRANCH
BTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056

SENBACH AB GERMANY

33-49.71

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0000-0100

HOURS (L.S.T.)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.2 | 1.2 | 0.2 | 0.1 | | | | | | | | 3.3 | 4.9 |
| NNE | 0.7 | 0.2 | 0.2 | | | | | | | | | 1.2 | 4.1 |
| NE | 0.9 | 1.4 | 0.9 | 0.8 | | | | | | | | 3.7 | 6.1 |
| ENE | 0.8 | 0.8 | 0.8 | 0.1 | | | | | | | | 2.7 | 4.9 |
| E | 0.2 | 0.2 | 0.2 | | | | | | | | | 0.9 | 4.7 |
| ESE | 0.2 | | | | | | | | | | | 0.2 | 2.3 |
| SE | 0.2 | 0.1 | | | | | | | | | | 0.2 | 2.3 |
| SSE | 0.2 | 0.1 | | | | | | | | | | 0.2 | 2.3 |
| S | 1.2 | 0.2 | 0.1 | | | | | | | | | 2.2 | 3.7 |
| SSW | 0.2 | 0.2 | 0.2 | 0.2 | | | | | | | | 1.1 | 2.6 |
| SW | 0.2 | 0.2 | 0.2 | 1.2 | 0.4 | 0.1 | | | | | | 10.9 | 7.2 |
| WSW | 0.2 | 0.2 | 0.2 | 0.7 | 0.2 | | | | | | | 8.9 | 6.8 |
| W | 0.2 | 0.2 | 0.2 | 0.7 | 0.2 | | | | | | | 7.2 | 6.8 |
| WNW | 0.2 | 0.2 | 0.2 | | 0.2 | | | | | | | 2.2 | 4.4 |
| NW | 0.2 | 0.2 | 0.2 | | | | | | | | | 1.4 | 4.2 |
| NNW | 0.2 | 0.2 | 0.2 | 0.2 | | | | | | | | 1.0 | 6.2 |
| VARBL | 0.2 | 0.2 | | | | | | | | | | 1.1 | 1.8 |
| CALM | | | | | | | | | | | | 48.1 | |
| | 12.5 | 20.2 | 12.8 | 3.8 | 0.6 | 0.1 | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS

1827

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SEMDACH AB GERMANY
STATION NAME

22-72
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0300-0800
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 |
| NNE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NE | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ENE | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| E | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ESE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SSE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| S | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SSW | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SW | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WSW | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| W | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| VARBL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CALM | | | | | | | | | | | | 0.0 | 0.0 |
| | 12.0 | 20.0 | 12.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 2.0 |

TOTAL NUMBER OF OBSERVATIONS 1884

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SEMDACH AB GERMANY
STATION NAME

59-72
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0000-0800
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 4.7 |
| NNE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.9 |
| NE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ENE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| E | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ESE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SSE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| S | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SSW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WSW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| W | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| WNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| VARBL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CALM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 14.0 | 21.4 | 17.0 | 8.1 | 0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.1 |

TOTAL NUMBER OF OBSERVATIONS

1711

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34056 STATION NAME SEMBACH AB GERMANY YEARS 53-72 MONTH JUL
CLASS ALL WEATHER HOURS (L E T) 0900-1100
CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 3.9 |
| NNE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 4.3 |
| NE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 6.4 |
| ENE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 3.9 |
| E | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 3.3 |
| ESE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 3.3 |
| SE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 3.7 |
| SSE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 6.4 |
| S | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 3.1 |
| SSW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 7.0 |
| SW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.1 | 9.0 |
| WSW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.2 | 9.0 |
| W | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.8 | 9.0 |
| WNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 7.4 |
| NW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 6.7 |
| NNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 3.7 |
| VARB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 4.0 |
| CALM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.8 | |
| | 13.6 | 20.1 | 31.4 | 10.1 | 2.2 | 0.0 | 0.1 | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 1718

1

DATA PROCESSING BRANCH
 DTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

34056
 STATION

SEMBACH AB GERMANY
 STATION NAME

59-72
 YEARS

JUL
 MONTH

ALL WEATHER
 CLASS

1200-1400
 HOURS (L & T)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 0.0 | 2.2 | 1.0 | 0.5 | 0.1 | | | | | | | 2.1 | 0.3 |
| NNE | 0.0 | 1.7 | 0.9 | 0.2 | | | | | | | | 2.3 | 0.8 |
| NE | 0.0 | 1.2 | 1.0 | 0.7 | | | | | | | | 2.9 | 7.2 |
| ENE | 0.0 | 1.0 | 1.0 | 0.2 | | | | | | | | 2.4 | 0.6 |
| E | 0.4 | 1.8 | 1.8 | 0.3 | | | | | | | | 2.4 | 0.7 |
| ESE | 0.1 | 0.4 | 0.6 | 0.1 | | | | | | | | 1.2 | 0.8 |
| SE | 0.2 | 0.9 | 0.8 | 0.1 | | | | | | | | 1.9 | 3.4 |
| SSE | 0.2 | 0.3 | 0.4 | | | | | | | | | 1.1 | 2.5 |
| S | 0.4 | 1.1 | 0.3 | 0.2 | | | | | | | | 2.0 | 3.7 |
| SSW | 0.2 | 1.1 | 1.0 | 0.8 | | | | | | | | 2.7 | 0.4 |
| SW | 0.4 | 1.8 | 4.8 | 4.7 | 1.1 | | | | | | | 12.8 | 10.6 |
| WSW | 0.0 | 1.0 | 0.2 | 0.7 | 1.8 | 0.1 | | | | | | 10.8 | 10.9 |
| W | 0.0 | 4.0 | 7.3 | 6.4 | 0.8 | 0.3 | | | | | | 19.8 | 9.7 |
| WNW | 0.0 | 1.2 | 1.0 | 0.8 | 0.2 | | | | | | | 4.2 | 7.8 |
| NW | 0.0 | 1.8 | 1.8 | 0.3 | | | | | | | | 4.1 | 0.8 |
| NNW | 0.0 | 1.0 | 1.9 | 0.2 | | | | | | | | 2.7 | 7.0 |
| VARBL | 2.9 | 2.3 | 1.2 | | | | | | | | | 6.0 | 4.2 |
| CALM | | | | | | | | | | | | 4.1 | |
| | 9.9 | 22.6 | 24.2 | 22.1 | 2.6 | 0.3 | | | | | | 100.0 | 8.1 |

TOTAL NUMBER OF OBSERVATIONS

1712

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SEMBACH AB GERMANY
STATION NAME

53-72
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | ~ | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .6 | 2.3 | 2.3 | .4 | .1 | | | | | | | 3.9 | 6.6 |
| NNE | .3 | 1.2 | .8 | .1 | | | | | | | | 2.6 | 3.8 |
| NE | .3 | 1.7 | 2.3 | .6 | .1 | | | | | | | 3.0 | 7.8 |
| ENE | .6 | 1.2 | 1.3 | .1 | | | | | | | | 3.4 | 6.4 |
| E | .3 | 1.6 | 1.3 | .1 | | | | | | | | 3.6 | 6.1 |
| ESE | .4 | .4 | .4 | | | | | | | | | 1.2 | 3.1 |
| SE | .3 | .6 | .2 | | | | | | | | | 1.3 | 3.0 |
| SSE | .3 | .7 | .1 | | | | | | | | | 1.2 | 4.3 |
| S | .3 | .8 | .3 | .1 | | | | | | | | 1.9 | 3.3 |
| SSW | .3 | .7 | 1.1 | .6 | .1 | | | | | | | 3.0 | 8.1 |
| SW | .7 | 1.9 | 4.7 | 4.0 | .8 | .2 | .1 | | | | | 12.3 | 10.2 |
| WSW | .4 | 3.2 | 7.0 | 3.2 | .8 | .2 | | | | | | 16.7 | 9.9 |
| W | .6 | 2.3 | 7.3 | 7.4 | 1.2 | .1 | | | | | | 19.8 | 10.1 |
| WNW | .3 | 1.3 | 2.2 | 1.1 | .2 | | | | | | | 3.3 | 8.3 |
| NW | .2 | 1.2 | 1.8 | .2 | | | | | | | | 3.3 | 7.0 |
| NNW | .3 | 1.6 | 2.0 | .4 | .1 | | | | | | | 4.4 | 7.3 |
| VARBL | 1.9 | 1.6 | 1.3 | .2 | | | | | | | | 3.1 | 3.9 |
| CALM | | | | | | | | | | | | 3.6 | |
| | 9.4 | 28.3 | 37.3 | 20.5 | 3.3 | .6 | .1 | | | | | 100.0 | 8.1 |

TOTAL NUMBER OF OBSERVATIONS

1709

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SEMBACH AB GERMANY
STATION NAME

53-69
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS - L.S.T.

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.6 | 2.9 | 1.8 | .3 | | | | | | | | 6.6 | 3.7 |
| NNE | 1.8 | 1.3 | .8 | .1 | | | | | | | | 3.4 | 4.9 |
| NE | 1.8 | 2.7 | 1.4 | .3 | | | | | | | | 3.8 | 3.6 |
| ENE | 1.2 | 2.3 | .7 | | | | | | | | | 4.4 | 4.6 |
| E | 1.4 | 2.1 | .8 | | | | | | | | | 4.2 | 4.7 |
| ESE | .4 | .6 | .1 | .1 | | | | | | | | 1.1 | 4.3 |
| SE | .2 | .3 | .1 | | | | | | | | | .6 | 4.6 |
| SSE | .3 | .2 | .1 | | | | | | | | | .6 | 3.6 |
| S | .7 | .6 | .2 | | | | | | | | | 1.3 | 4.2 |
| SSW | .4 | 1.2 | .7 | .3 | | | | | | | | 2.6 | 6.8 |
| SW | 1.4 | 3.4 | 3.3 | 2.2 | .3 | .1 | | | | | | 10.8 | 8.0 |
| WSW | 1.6 | 4.2 | 4.8 | 3.7 | .4 | .2 | | | | | | 14.9 | 8.3 |
| W | 1.7 | 5.2 | 8.5 | 3.8 | .4 | .2 | | | | | | 19.8 | 8.3 |
| WNW | .7 | 1.9 | 1.6 | .7 | | | | | | | | 4.8 | 6.9 |
| NW | .7 | 1.3 | 1.1 | .6 | .1 | | | | | | | 3.8 | 7.1 |
| NNW | .7 | 1.6 | 1.4 | .4 | .1 | | | | | | | 4.2 | 6.6 |
| VARBL | .3 | .3 | | | | | | | | | | .7 | 3.4 |
| CALM | | | | | | | | | | | | 10.2 | |
| | 18.9 | 32.1 | 27.5 | 12.5 | 1.9 | .5 | | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS

1522

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SENBACH AB GERMANY
STATION NAME

53-69
YEARS

JUL
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | 2.7 | 1.7 | .2 | | | | | | | | 5.4 | 3.7 |
| NNE | 1.0 | 1.5 | .2 | | | | | | | | | 2.7 | 3.8 |
| NE | 2.0 | 2.5 | .9 | .5 | | | | | | | | 5.9 | 3.4 |
| ENE | 1.1 | 2.0 | .1 | | | | | | | | | 3.2 | 3.9 |
| E | .8 | .9 | .3 | | | | | | | | | 2.0 | 4.4 |
| ESE | .3 | | .1 | | | | | | | | | .2 | 3.4 |
| SE | .4 | .1 | .1 | | | | | | | | | .5 | 3.6 |
| SSE | .7 | .1 | .1 | | | | | | | | | .8 | 3.0 |
| S | 1.6 | .9 | .5 | .1 | | | | | | | | 3.1 | 3.9 |
| SSW | 1.3 | 1.2 | .9 | .2 | | | | | | | | 3.2 | 4.9 |
| SW | 1.6 | 3.6 | 3.3 | 1.0 | .3 | .2 | | | | | | 9.9 | 7.2 |
| WSW | 1.3 | 3.7 | 3.2 | .7 | .3 | | | | | | | 9.5 | 6.7 |
| W | 1.8 | 4.6 | 2.6 | 1.0 | | | | | | | | 10.0 | 6.1 |
| WNW | .7 | 1.2 | 1.2 | .2 | | .1 | | | | | | 3.5 | 7.1 |
| NW | .7 | .8 | .7 | .1 | | | | | | | | 2.4 | 3.8 |
| NNW | .3 | .8 | .6 | .2 | | | | | | | | 2.4 | 6.0 |
| VARBL | .7 | .1 | | | | | | | | | | .8 | 1.7 |
| CALM | | | | | | | | | | | | 34.2 | |
| | 17.5 | 26.7 | 16.2 | 4.4 | .6 | .2 | | | | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS 1222

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEMBACH AB GERMANY

53-69

AVG

ALL WEATHER

0000-0200

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .8 | .4 | | | | | | | | | 1.9 | 4.5 |
| NNE | 1.0 | .4 | .2 | .1 | | | | | | | | 1.7 | 4.0 |
| NE | 1.6 | 2.6 | 1.2 | .2 | | | | | | | | 5.8 | 3.2 |
| ENE | .8 | 1.0 | .6 | .1 | | | | | | | | 2.7 | 2.2 |
| E | .6 | .2 | .2 | | | | | | | | | 1.2 | 4.4 |
| ESE | .4 | .1 | | | | | | | | | | .4 | 2.7 |
| SE | .6 | .2 | .2 | | | | | | | | | 1.0 | 3.7 |
| SSE | .6 | .2 | .1 | | | | | | | | | .9 | 4.1 |
| S | 1.8 | 1.9 | .1 | .1 | | | | | | | | 3.9 | 3.8 |
| SSW | 1.2 | 1.5 | 1.0 | .5 | | | | | | | | 4.2 | 3.9 |
| SW | 2.3 | 4.2 | 3.3 | 2.3 | .4 | | | | | | | 14.8 | 7.7 |
| WSW | 1.0 | 2.9 | 3.6 | 2.4 | .1 | | | | | | | 10.0 | 7.9 |
| W | .6 | 2.2 | 1.2 | .8 | .1 | | | | | | | 4.9 | 6.8 |
| WNW | .1 | .2 | .1 | | .1 | | | | | | | .6 | 3.9 |
| NW | .1 | 1.0 | .2 | .1 | | | | | | | | 2.1 | 4.6 |
| NNW | .2 | .4 | .1 | | | | | | | | | .7 | 4.8 |
| VARBL | .6 | .1 | | | | | | | | | | .7 | 2.5 |
| CALM | | | | | | | | | | | | 42.6 | |
| | 14.8 | 20.2 | 15.0 | 6.7 | .6 | | | | | | | 100.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS 1872

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SEMBACH AB GERMANY
STATION NAME

59-72
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .6 | .4 | .4 | | | | | | | | | 1.3 | 4.3 |
| NNE | .7 | .9 | .1 | | | | | | | | | 1.7 | 4.2 |
| NE | 1.6 | 3.1 | .9 | .2 | | | | | | | | 5.7 | 4.8 |
| ENE | .9 | .6 | .7 | | | | | | | | | 2.1 | 4.9 |
| E | .8 | .4 | .1 | .1 | | | | | | | | 1.0 | 4.9 |
| ESE | .2 | | | | | | | | | | | .2 | 2.0 |
| SE | .5 | .2 | .1 | | | | | | | | | .7 | 2.2 |
| SSE | .7 | .2 | .1 | .1 | | | | | | | | 1.2 | 4.4 |
| S | 2.3 | 1.8 | .1 | .1 | | | | | | | | 4.0 | 3.7 |
| SSW | 1.8 | 1.8 | 1.5 | .8 | | | | | | | | 3.9 | 3.1 |
| SW | 2.1 | 4.2 | 4.6 | 2.6 | .2 | .1 | | | | | | 13.8 | 7.3 |
| WSW | 1.2 | 3.6 | 3.9 | 1.3 | .3 | .1 | | | | | | 10.4 | 7.7 |
| W | .3 | 2.0 | 1.4 | .3 | | | | | | | | 4.2 | 3.6 |
| WNW | .1 | .3 | .4 | | | | | | | | | 1.0 | 2.6 |
| NW | .6 | 1.1 | .1 | .1 | | | | | | | | 2.0 | 4.7 |
| NNW | .2 | .4 | .2 | | | | | | | | | .8 | 4.8 |
| VARBL | .9 | .2 | | | | | | | | | | 1.2 | 2.6 |
| CALM | | | | | | | | | | | | 42.7 | |
| | 15.4 | 20.9 | 14.3 | 5.8 | .6 | .2 | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS 1433

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SENBACH AB GERMANY
STATION NAME

53-72
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0000-0000
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .9 | .6 | .1 | .1 | | | | | | | | 1.7 | 4.3 |
| NNE | .9 | .7 | .2 | | | | | | | | | 1.6 | 4.6 |
| NE | 1.0 | 2.5 | 1.2 | .2 | | | | | | | | 3.6 | 9.1 |
| ENE | .7 | 1.8 | .7 | .1 | | | | | | | | 3.2 | 8.2 |
| E | .6 | .4 | .2 | | | | | | | | | 1.2 | 4.2 |
| ESE | .8 | | | | | | | | | | | .3 | 2.4 |
| SE | .7 | .8 | .1 | .1 | | | | | | | | 1.1 | 4.1 |
| SSE | .8 | .1 | .1 | .1 | | | | | | | | .2 | 2.4 |
| S | 1.0 | 1.0 | .2 | .1 | | | | | | | | 2.9 | 8.9 |
| SSW | 1.1 | 1.9 | 1.2 | .8 | | | | | | | | 4.0 | 9.9 |
| SW | 1.3 | 4.4 | 3.9 | 2.8 | .7 | .2 | | | | | | 13.4 | 8.3 |
| WSW | 1.2 | 4.0 | 6.4 | 2.2 | .5 | | | | | | | 14.3 | 8.2 |
| W | .6 | 1.7 | 2.9 | .6 | .1 | | | | | | | 3.3 | 7.3 |
| WNW | .9 | .4 | .2 | | | | | | | | | .9 | 4.9 |
| NW | .8 | .6 | .1 | | | | | | | | | 1.1 | 4.1 |
| NNW | .6 | .4 | .2 | | | | | | | | | 1.3 | 4.6 |
| VARBL | 1.9 | .8 | .1 | .1 | | | | | | | | 2.9 | 2.4 |
| CALM | | | | | | | | | | | | 38.7 | |
| | 14.2 | 21.4 | 17.2 | 6.9 | 1.2 | .2 | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS

1743

1

DATA PROCESSING BRANCH
BTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SENBACH AB GERMANY
STATION NAME

53-72
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | 1.1 | .4 | .1 | | | | | | | | 2.3 | 4.8 |
| NNE | 1.0 | .7 | .6 | .1 | | | | | | | | 2.3 | 4.8 |
| NE | 1.2 | 2.8 | 2.2 | .5 | | | | | | | | 6.4 | 6.2 |
| ENE | .8 | 2.4 | 1.6 | .4 | | | | | | | | 5.2 | 6.2 |
| E | .6 | 1.9 | .8 | .2 | | | | | | | | 3.6 | 5.8 |
| ESE | .6 | .9 | .2 | .1 | | | | | | | | 1.6 | 5.8 |
| SE | .3 | .8 | .9 | .2 | | | | | | | | 1.8 | 6.3 |
| SSE | .3 | .8 | .2 | .1 | .1 | | | | | | | 1.1 | 6.5 |
| S | 1.5 | 1.0 | .4 | | | | | | | | | 2.9 | 6.2 |
| SSW | .6 | 1.0 | 1.4 | .6 | | .1 | | | | | | 3.6 | 7.2 |
| SW | 1.0 | 3.0 | 8.2 | 3.6 | .7 | .2 | | | | | | 13.8 | 9.8 |
| WSW | .9 | 4.1 | 7.8 | 6.8 | .8 | .2 | | | | | | 19.9 | 9.7 |
| W | 1.1 | 3.0 | 8.9 | 3.0 | .8 | .2 | .1 | | | | | 13.7 | 9.9 |
| WNW | .6 | .7 | .2 | .2 | | | | | | | | 1.7 | 8.8 |
| NW | .2 | 1.1 | .6 | .1 | | | | | | | | 2.2 | 8.7 |
| NNW | .7 | .7 | .8 | | | | | | | | | 1.8 | 6.8 |
| VARBL | 2.7 | 2.8 | .8 | .2 | | | | | | | | 6.0 | 6.0 |
| CALM | | | | | | | | | | | | 10.3 | |
| | 14.9 | 27.0 | 28.6 | 16.0 | 2.4 | .8 | .1 | | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS 1787

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SEMDACH AB GERMANY
STATION NAME

53-72
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1200-1800
HOURS (L.S.T.)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | 1.0 | .4 | .2 | | | | | | | | 2.2 | 3.3 |
| NNE | .5 | 1.3 | .8 | .1 | | | | | | | | 2.7 | 3.3 |
| NE | .6 | 1.9 | 1.4 | .8 | | | | | | | | 4.7 | 6.8 |
| ENE | .4 | 1.9 | 2.0 | .9 | | | | | | | | 5.2 | 7.2 |
| E | .9 | 2.3 | 1.8 | .2 | | | | | | | | 5.2 | 6.3 |
| ESE | .1 | .2 | .7 | .1 | | | | | | | | 1.2 | 7.4 |
| SE | .1 | .8 | .7 | .2 | | | | | | | | 1.6 | 7.7 |
| SSE | .2 | .6 | .8 | .1 | | | | | | | | 1.4 | 8.8 |
| S | .9 | 1.9 | 1.0 | .4 | | | | | | | | 3.7 | 8.2 |
| SSW | .3 | 1.1 | 1.6 | .5 | .1 | .1 | | | | | | 3.9 | 8.0 |
| SW | .3 | 2.0 | 4.0 | 4.0 | 1.0 | .3 | .1 | | | | | 11.7 | 10.8 |
| WSW | .6 | 3.0 | 6.2 | 7.0 | 1.4 | .6 | .1 | | | | | 19.4 | 10.9 |
| W | .9 | 3.4 | 7.4 | 5.6 | 1.1 | .2 | | | | | | 18.6 | 9.9 |
| WNW | .4 | 1.1 | .9 | .5 | .1 | | | | | | | 3.0 | 7.2 |
| NW | .2 | .5 | 1.2 | .2 | | | | | | | | 2.7 | 7.0 |
| NNW | .2 | 1.1 | 1.2 | .2 | | | | | | | | 3.0 | 6.8 |
| VARBL | 1.7 | 2.3 | 1.8 | .5 | | | | | | | | 6.0 | 8.7 |
| CALM | | | | | | | | | | | | 9.7 | |
| | 9.5 | 26.0 | 33.8 | 21.8 | 2.6 | 1.4 | .2 | | | | | 100.0 | 8.3 |

TOTAL NUMBER OF OBSERVATIONS 3760

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056

SENBACH AB GERMANY

59-72

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1800-1700

HOURS (L & T)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 0.2 | 1.2 | 1.4 | 0.1 | | | | | | | | 3.1 | 0.8 |
| NNE | 0.4 | 1.1 | 0.5 | | | | | | | | | 2.0 | 0.3 |
| NE | 0.9 | 2.0 | 1.0 | 0.0 | | | | | | | | 0.0 | 0.3 |
| ENE | 0.6 | 1.7 | 1.0 | 0.8 | | | | | | | | 4.7 | 7.0 |
| E | 0.5 | 2.3 | 1.4 | 0.5 | | | | | | | | 4.7 | 0.4 |
| ESE | 0.1 | 0.9 | 0.5 | 0.1 | | | | | | | | 1.2 | 0.2 |
| SE | 0.4 | 1.1 | 0.7 | 0.2 | | | | | | | | 2.3 | 0.2 |
| SSE | 0.3 | 0.8 | 0.2 | 0.1 | | | | | | | | 1.3 | 0.2 |
| S | 1.0 | 1.4 | 1.1 | 0.2 | | | | | | | | 3.9 | 0.9 |
| SSW | 0.6 | 1.3 | 1.3 | 0.7 | 0.1 | 0.1 | | | | | | 4.1 | 0.0 |
| SW | 0.6 | 1.3 | 0.9 | 0.1 | 0.0 | 0.2 | | | | | | 11.9 | 10.0 |
| WSW | 0.8 | 2.4 | 7.6 | 0.6 | 1.1 | 0.9 | 0.1 | | | | | 18.8 | 10.7 |
| W | 0.8 | 2.9 | 6.6 | 0.4 | 1.0 | | 0.1 | 0.1 | | | | 17.7 | 10.4 |
| WNW | 0.6 | 0.9 | 1.0 | 0.9 | | | | | | | | 3.4 | 7.7 |
| NW | 0.2 | 1.7 | 1.1 | 0.2 | | | | | | | | 2.6 | 7.1 |
| NNW | 0.8 | 1.0 | 1.1 | 0.1 | | | | | | | | 2.6 | 0.9 |
| VARBL | 1.8 | 2.7 | 1.0 | 0.3 | 0.1 | | | | | | | 0.4 | 0.2 |
| CALM | | | | | | | | | | | | 3.9 | |
| | 9.8 | 26.8 | 33.7 | 22.2 | 3.2 | 0.7 | 0.2 | 0.1 | | | | 100.0 | 0.2 |

TOTAL NUMBER OF OBSERVATIONS

1789

USAFETAC

FORM
AA 64

0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SENBACH AB GERMANY
STATION NAME

52-71
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | 1.7 | .4 | .1 | | | | | | | | 3.4 | 2.0 |
| NNE | .8 | 1.8 | .4 | .1 | | | | | | | | 3.1 | 2.0 |
| NE | 1.4 | 2.0 | 1.8 | .2 | | | | | | | | 3.2 | 2.0 |
| ENE | 1.6 | 2.8 | 1.1 | .1 | | | | | | | | 3.4 | 2.1 |
| E | 1.6 | 2.0 | .9 | .1 | | | | | | | | 4.0 | 2.0 |
| ESE | .7 | .2 | .2 | .1 | | | | | | | | 1.2 | 2.0 |
| SE | .8 | .8 | .9 | | | | | | | | | 2.0 | 2.2 |
| SSE | .8 | .6 | | .1 | | | | | | | | 1.2 | 2.0 |
| S | 1.4 | 1.6 | .9 | .2 | | | | | | | | 4.0 | 2.0 |
| SSW | 1.1 | 1.8 | 1.0 | .2 | | | | | | | | 3.7 | 2.0 |
| SW | 1.0 | 2.8 | 4.9 | 2.2 | .2 | | | | | | | 11.2 | 2.0 |
| WSW | 1.1 | 3.6 | 6.5 | 2.6 | .6 | | | | | | | 13.2 | 2.7 |
| W | 1.2 | 6.2 | 8.4 | 2.6 | .2 | .1 | | | | | | 16.4 | 7.6 |
| WNW | .9 | 1.2 | .7 | .2 | | | | | | | | 3.0 | 2.3 |
| NW | .2 | 1.0 | .4 | .2 | | | | | | | | 1.8 | 2.0 |
| NNW | 1.0 | 1.1 | .6 | | | | | | | | | 2.7 | 2.8 |
| VARBL | .9 | .4 | | | | | | | | | | 1.2 | 2.0 |
| CALM | | | | | | | | | | | | 12.2 | |
| | 17.4 | 31.8 | 26.2 | 10.7 | 1.2 | .1 | | | | | | 100.0 | 2.9 |

TOTAL NUMBER OF OBSERVATIONS

1277

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SEMDACH AB GERMANY
STATION NAME

59-70
YEARS

AUG
MONTH

ALL WEATHER
CLASS

2100-2200
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.2 | 1.1 | 1.4 | | | | | | | | | 2.3 | 4.0 |
| NNE | 3.1 | 1.2 | 1.4 | 1.1 | | | | | | | | 2.6 | 4.9 |
| NE | 1.1 | 2.7 | 1.1 | 1.1 | | | | | | | | 2.7 | 5.2 |
| ENE | 1.3 | 1.5 | 1.3 | 1.4 | | | | | | | | 4.6 | 5.7 |
| E | 1.0 | 1.1 | 1.2 | | | | | | | | | 2.7 | 4.0 |
| ESE | 1.7 | 1.2 | 1.2 | 1.1 | | | | | | | | 1.1 | 4.1 |
| SE | 1.7 | 1.2 | 1.1 | | | | | | | | | 1.5 | 3.7 |
| SSE | 1.7 | 1.2 | 1.1 | | | | | | | | | 1.5 | 4.2 |
| S | 1.0 | 1.5 | 1.9 | 1.1 | | | | | | | | 4.9 | 4.0 |
| SSW | 1.3 | 1.5 | 1.5 | 1.2 | 1.1 | | | | | | | 3.8 | 5.9 |
| SW | 1.5 | 4.5 | 3.4 | 2.7 | 1.1 | | | | | | | 11.5 | 7.1 |
| WSW | 1.3 | 3.8 | 3.8 | 1.0 | 1.1 | 1.1 | | | | | | 16.7 | 7.4 |
| W | 1.4 | 2.8 | 2.2 | 1.3 | 1.1 | 1.1 | | | | | | 7.4 | 7.8 |
| WNW | 1.4 | 1.4 | 1.1 | 1.1 | | | | | | | | 1.0 | 4.8 |
| NW | 1.1 | 1.0 | 1.4 | 1.1 | 1.1 | | | | | | | 2.2 | 5.0 |
| NNW | 1.0 | 1.0 | 1.2 | | | | | | | | | 1.7 | 4.0 |
| VARBL | 1.4 | 1.1 | | | | | | | | | | 1.0 | 3.7 |
| CALM | | | | | | | | | | | | 30.1 | |
| | 10.8 | 24.0 | 15.8 | 6.6 | 1.0 | 1.1 | | | | | | 100.0 | 3.2 |

TOTAL NUMBER OF OBSERVATIONS 1870

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

52-48,71
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | .8 | | | | | | | | | | 1.4 | 3.2 |
| NNE | 1.0 | .8 | .2 | | | | | | | | | 1.7 | 4.2 |
| NE | 1.0 | 4.0 | 1.7 | .2 | | | | | | | | 7.9 | 3.7 |
| ENE | 1.0 | 2.7 | 1.4 | | | | | | | | | 5.1 | 3.4 |
| E | .6 | .8 | .3 | .2 | | | | | | | | 2.1 | 6.0 |
| ESE | .1 | .1 | .1 | .1 | | | | | | | | .3 | 8.0 |
| SE | .1 | .1 | .1 | | | | | | | | | .3 | 3.8 |
| SSE | .1 | .1 | .1 | | | | | | | | | .3 | 3.0 |
| S | 1.0 | 1.0 | .1 | | | | | | | | | 2.6 | 3.6 |
| SSW | 1.0 | 1.8 | .6 | .3 | .1 | .1 | | | | | | 3.9 | 6.8 |
| SW | 1.0 | 3.6 | 4.3 | 2.3 | .6 | | | | | | | 12.9 | 8.0 |
| WSW | 1.0 | 2.3 | 3.1 | 2.8 | .3 | .3 | | | | | | 10.8 | 8.8 |
| W | .9 | 1.9 | 1.3 | .6 | | | | | | | | 4.9 | 6.4 |
| WNW | .1 | .4 | .3 | .1 | .1 | | | | | | | 1.1 | 6.6 |
| NW | .1 | .4 | .1 | .1 | | | | | | | | .3 | 3.7 |
| NNW | .1 | .8 | .1 | | | | | | | | | 1.3 | 4.3 |
| VARBL | .1 | | | | | | | | | | | .1 | 1.0 |
| CALM | | | | | | | | | | | | 42.9 | |
| | 12.1 | 30.8 | 14.6 | 7.0 | 1.2 | .3 | | | | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS

3084

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34030
STATION

SEMDACH AB GERMANY
STATION NAME

53-72
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0300-0300
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.0 | 1.0 | | | | | | | | | 1.3 | 3.9 |
| NNE | 1.0 | 1.0 | 1.0 | | | | | | | | | 2.2 | 4.3 |
| NE | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 7.3 | 8.3 |
| ENE | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 4.3 | 5.3 |
| E | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 1.3 | 3.0 |
| ESE | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 1.0 | 4.8 |
| SE | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 1.0 | 3.1 |
| SSE | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 1.3 | 4.4 |
| S | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | | 3.1 | 3.7 |
| SSW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | 3.7 | 6.1 |
| SW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 12.0 | 8.2 |
| WSW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 10.0 | 9.1 |
| W | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 6.3 | 6.9 |
| WNW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | 1.0 | 7.0 |
| NW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 7.0 |
| NNW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 3.8 |
| VARB | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.0 | 1.3 |
| CALM | | | | | | | | | | | | 43.6 | |
| | 12.7 | 20.2 | 12.7 | 6.0 | 1.3 | 1.3 | 1.3 | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 1813

1

DATA PROCESSING BRANCH
 STAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

94056
 STATION

SENBACH AB GERMANY
 STATION NAME

52-72
 YEARS

SEP
 MONTH

ALL WEATHER
 CLASS

0600-0800
 HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | .5 | | | | | | | | | | 1.0 | 2.6 |
| NNE | .0 | .6 | .3 | | | | | | | | | 1.7 | 4.6 |
| NE | 2.2 | 2.9 | 2.1 | .2 | | | | | | | | 7.5 | 5.4 |
| ENE | 1.2 | 2.7 | 1.9 | .2 | | | | | | | | 6.0 | 5.0 |
| E | .4 | .3 | .3 | | | | | | | | | 1.0 | 5.3 |
| ESE | .3 | .1 | .2 | | | | | | | | | .6 | 4.9 |
| SE | .4 | .3 | .1 | | | | | | | | | .7 | 3.3 |
| SSE | .7 | .3 | .2 | | | | | | | | | 1.1 | 4.1 |
| S | 1.3 | 1.1 | .6 | | | | | | | | | 3.0 | 4.1 |
| SSW | 1.6 | 1.3 | .6 | .5 | | | | | | | | 3.8 | 5.3 |
| SW | 1.3 | 3.4 | 4.9 | 3.3 | .4 | .2 | | .1 | | | | 13.9 | 8.8 |
| WSW | 1.0 | 2.0 | 3.6 | 3.2 | .3 | .2 | .1 | | | | | 10.8 | 9.7 |
| W | 1.1 | 1.0 | 1.2 | 1.1 | .1 | .2 | .1 | | | | | 4.7 | 7.6 |
| WNW | .1 | .2 | .1 | | .1 | .1 | | | | | | .2 | 10.8 |
| NW | .2 | | .2 | | | | | | | | | .3 | 5.9 |
| NNW | .6 | .2 | .2 | .1 | | | | | | | | 1.1 | 4.8 |
| VARBL | .7 | .4 | | | | | | | | | | 1.0 | 3.1 |
| CALM | | | | | | | | | | | | 41.9 | |
| | 14.0 | 17.3 | 16.2 | 8.8 | 1.1 | .2 | .1 | .1 | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS

1877

1
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

53-72
YEARS

SEP
DATE

ALL WEATHER
CLASS

0800-1100
HOURS L E T

CONDITION

| SPEED
KNTS:
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | 1.0 | .2 | | | | | | | | | 2.0 | 4.4 |
| NNE | .7 | .2 | .2 | | | | | | | | | 1.2 | 4.4 |
| NE | 1.2 | 2.1 | 2.6 | .4 | | | | | | | | 8.3 | 6.2 |
| ENE | .9 | 2.6 | 2.1 | .8 | | | | | | | | 8.2 | 6.6 |
| E | .8 | 1.8 | 2.2 | .9 | | | | | | | | 5.4 | 6.8 |
| ESE | .8 | .4 | .5 | .1 | | | | | | | | 1.4 | 6.2 |
| SE | .2 | .4 | | | | | | | | | | .7 | 2.7 |
| SSE | .6 | .4 | .1 | | | | | | | | | 1.1 | 2.6 |
| S | 1.0 | .9 | .8 | .1 | | .1 | | | | | | 2.8 | 2.7 |
| SSW | .7 | 1.8 | 1.4 | .7 | | | | | | | | 4.6 | 4.7 |
| SW | .8 | 2.7 | 2.2 | 2.7 | .8 | .7 | | | | | | 12.9 | 10.0 |
| WSW | .8 | 2.1 | 2.2 | 2.8 | .9 | .2 | .1 | | | | | 12.4 | 10.6 |
| W | .7 | 2.0 | 2.4 | 2.0 | .9 | .1 | .1 | | | | | 9.8 | 9.7 |
| WNW | .2 | .2 | .2 | .2 | | | | | | | | .9 | 7.2 |
| NW | .2 | .4 | .6 | .1 | | | | | | | | 1.4 | 6.4 |
| NNW | .7 | .8 | .2 | | | | | | | | | 1.2 | 6.0 |
| VARBL | 2.2 | 1.1 | 1.0 | .2 | | | | | | | | 4.6 | 4.2 |
| CALM | | | | | | | | | | | | 16.8 | |
| | 12.1 | 22.7 | 28.2 | 13.6 | 2.2 | 1.1 | .2 | | | | | 100.0 | 4.6 |

TOTAL NUMBER OF OBSERVATIONS

1682

1
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SENBACH AB GERMANY
STATION NAME

52-72
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L & T)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.2 | .8 | .1 | | | | | | | | 2.0 | 3.1 |
| NNE | .8 | 1.1 | .8 | .1 | | | | | | | | 2.6 | 3.7 |
| NE | .7 | 3.2 | 4.0 | .8 | | | | | | | | 9.0 | 6.9 |
| ENE | .8 | 3.1 | 3.3 | .8 | | | | | | | | 8.1 | 7.0 |
| E | .7 | 1.8 | 2.7 | 1.1 | | | | | | | | 6.2 | 7.6 |
| ESE | .2 | .8 | 1.0 | .1 | | | | | | | | 1.8 | 7.1 |
| SE | .2 | .8 | .8 | .2 | | | | | | | | 1.6 | 6.7 |
| SSE | .2 | .8 | .4 | | | | | | | | | 1.0 | 3.3 |
| S | .8 | 1.2 | 1.2 | .4 | | | | | | | | 3.7 | 6.3 |
| SSW | .8 | 1.2 | 1.9 | 1.1 | | | .1 | | | | | 4.7 | 8.3 |
| SW | .3 | 1.7 | 4.2 | 4.0 | .8 | .7 | .1 | | | | | 12.7 | 11.3 |
| WSW | .8 | 1.2 | 3.1 | 6.3 | 1.2 | 1.2 | .1 | | | | | 13.3 | 11.0 |
| W | 1.0 | 2.1 | 4.8 | 4.0 | 1.2 | 1.1 | .1 | | | | | 13.0 | 10.2 |
| WNW | .4 | .8 | .7 | .2 | .1 | | | | | | | 2.0 | 7.8 |
| NW | .4 | .8 | .8 | .2 | | | | | | | | 1.7 | 6.8 |
| NNW | .4 | .7 | .2 | | | | | | | | | 1.2 | 4.7 |
| VARBL | 2.6 | 2.1 | 1.2 | .6 | | | | | | | | 6.3 | 3.1 |
| CALM | | | | | | | | | | | | 6.1 | |
| | 11.2 | 22.8 | 23.0 | 21.2 | 3.4 | 1.0 | .2 | | | | | 100.0 | 8.0 |

TOTAL NUMBER OF OBSERVATIONS 1081

1
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056 SEMBACH AB GERMANY

22-72

SEP

ALL WEATHER

1800-1700

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | 2.1 | .7 | .2 | .1 | | | | | | | 3.4 | 6.4 |
| NNE | .2 | 1.6 | .5 | .1 | | | | | | | | 2.3 | 3.8 |
| NE | .7 | 3.0 | 2.9 | .4 | | | | | | | | 7.1 | 6.4 |
| ENE | 1.6 | 4.2 | 4.3 | .6 | | | | | | | | 10.7 | 6.2 |
| E | .7 | 3.0 | 3.2 | .5 | | | | | | | | 7.4 | 6.6 |
| ESE | .4 | .8 | .7 | .4 | | | | | | | | 2.2 | 6.8 |
| SE | .2 | .7 | .6 | | | | | | | | | 1.3 | 6.0 |
| SSE | .1 | 1.3 | .9 | | | | | | | | | 1.9 | 3.8 |
| S | .6 | 1.7 | 1.0 | .1 | | | | | | | | 3.4 | 3.7 |
| SSW | .4 | 1.5 | 1.5 | .6 | .2 | | | | | | | 4.2 | 7.9 |
| SW | .4 | 2.2 | 4.9 | 2.6 | 1.2 | .4 | | | | | | 11.9 | 10.2 |
| WSW | .2 | 2.4 | 3.1 | 6.1 | 1.4 | .3 | | | | | | 13.4 | 10.8 |
| W | 1.0 | 3.1 | 4.6 | 4.8 | 1.1 | | | | | | | 14.3 | 9.7 |
| WNW | .5 | .2 | .7 | .4 | | | | | | | | 1.8 | 7.1 |
| NW | .2 | .7 | .6 | .2 | | | | | | | | 1.7 | 6.7 |
| NNW | .2 | 1.0 | .8 | | | | | | | | | 1.7 | 3.8 |
| VARBL | 1.8 | 1.1 | 1.2 | .2 | | | | | | | | 4.1 | 3.3 |
| CALM | | | | | | | | | | | | 4.5 | |
| | 9.4 | 30.6 | 33.5 | 17.4 | 3.9 | .7 | | | | | | 100.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS 1678

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

53-68, 71-72
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS U.S.T.

CONDITION

| SPEED
KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.2 | 1.3 | .2 | | | | | | | | | 2.3 | 4.3 |
| NNE | 1.0 | 1.0 | .5 | .1 | | | | | | | | 2.6 | 4.9 |
| NE | 3.0 | 5.2 | 1.7 | .1 | | | | | | | | 10.0 | 4.7 |
| ENE | 3.0 | 3.7 | 1.9 | .1 | | | | | | | | 6.8 | 4.8 |
| E | 2.0 | 2.7 | 1.7 | .1 | | | | | | | | 6.6 | 5.1 |
| ESE | .7 | .8 | .2 | | | | | | | | | 1.7 | 4.2 |
| SE | 1.2 | 1.0 | .1 | | | | | | | | | 2.4 | 3.7 |
| SSE | 1.0 | .6 | .1 | | | | | | | | | 1.7 | 3.5 |
| S | 1.3 | 1.7 | .6 | | | | | | | | | 3.7 | 4.4 |
| SSW | 1.0 | 1.7 | 1.2 | .2 | | .1 | | | | | | 4.2 | 6.3 |
| SW | 1.2 | 3.2 | 3.0 | 1.9 | .5 | .3 | | | | | | 10.1 | 6.7 |
| WSW | 1.3 | 3.3 | 3.3 | 2.1 | .5 | .1 | | | | | | 12.9 | 8.2 |
| W | 1.0 | 3.3 | 3.7 | 1.6 | .1 | | | .1 | | | | 9.8 | 7.5 |
| WNW | .5 | .4 | .7 | .1 | | | | | | | | 1.7 | 6.0 |
| NW | .3 | .6 | .4 | .1 | | | | | | | | 1.4 | 6.1 |
| NNW | .4 | .6 | .2 | | | | | | | | | 1.2 | 4.7 |
| VARBL | .2 | .3 | | | | | | | | | | .6 | 4.0 |
| CALM | | | | | | | | | | | | 18.2 | |
| | 20.4 | 31.0 | 21.8 | 6.2 | 1.1 | .6 | | .1 | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 1446

1

DATA PROCESSING BRANCH
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
 STATION

SENBACH AB GERMANY
 STATION NAME

53-58.71
 TELER

SEP
 MONTH

ALL WEATHER
 CLASS

2100-2300
 HOURS

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-----------------------|
| N | .8 | 1.0 | .3 | | | | | | | | | 2.1 |
| NNE | .8 | .8 | .2 | | | | | | | | | 1.9 |
| NE | 2.3 | 3.8 | 1.9 | .1 | | | | | | | | 8.2 |
| ENE | 1.3 | 3.8 | 1.8 | .1 | | | | | | | | 7.1 |
| E | .6 | .7 | 1.1 | .2 | | | | | | | | 2.6 |
| ESE | .2 | .1 | .1 | .1 | | | | | | | | .6 |
| SE | 1.0 | .2 | .3 | | | | | | | | | 1.3 |
| SSE | .8 | .1 | | | | | | | | | | .9 |
| S | 1.6 | 1.3 | .6 | | | | | | | | | 3.6 |
| SSW | 1.0 | 1.3 | .9 | .3 | | | | | | | | 3.7 |
| SW | 1.6 | 3.6 | 4.2 | 1.8 | .6 | .3 | | | | | | 12.1 |
| WSW | 1.2 | 2.9 | 3.2 | 2.6 | .3 | | | | | | | 10.2 |
| W | 1.1 | 1.5 | 1.4 | .6 | .1 | | | | | | | 4.8 |
| WNW | .3 | .3 | .3 | | .1 | | | | | | | .8 |
| NW | .3 | .3 | .3 | | .1 | | | | | | | 1.0 |
| NNW | .4 | .4 | .1 | | | | | | | | | 1.0 |
| VARBL | .4 | .1 | | | | | | | | | | .3 |
| CALM | | | | | | | | | | | | 37.6 |
| | 13.7 | 22.7 | 16.6 | 5.9 | 1.2 | .3 | | | | | | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1448

1
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34056 SEMBACH AB GERMANY TELNO 53-67,71-72 CCT
STATION NAME MONTH
ALL WEATHER CLASS 0000-0200
HOURS - L & T
CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .9 | .9 | .4 | .1 | | | | | | | | 2.4 | 4.8 |
| NNE | .8 | 1.1 | .4 | .1 | | | | | | | | 2.3 | 4.9 |
| NE | 2.2 | 3.4 | 1.8 | .5 | | | | | | | | 7.9 | 5.9 |
| ENE | 1.3 | 2.1 | 1.4 | .2 | | | | | | | | 5.1 | 5.4 |
| E | 1.0 | .9 | .6 | .1 | | | | | | | | 2.6 | 4.0 |
| ESE | .4 | .1 | .1 | | | | | | | | | .6 | 4.1 |
| SE | .4 | .3 | .1 | | | | | | | | | .7 | 4.0 |
| SSE | .7 | .3 | .2 | | | | | | | | | 1.2 | 4.1 |
| S | 1.3 | 1.2 | .4 | .1 | | | | | | | | 3.0 | 6.7 |
| SSW | .8 | 1.3 | .9 | .6 | .4 | | | | | | | 4.1 | 7.7 |
| SW | 1.1 | 3.7 | 3.9 | 4.4 | .9 | .1 | | | | | | 14.0 | 9.3 |
| WSW | .6 | 2.4 | 3.2 | 2.2 | .3 | .1 | | | | | | 8.9 | 9.2 |
| W | .8 | 1.1 | 1.3 | .6 | .1 | | | | | | | 4.1 | 7.3 |
| WNW | .1 | .3 | .2 | | | | | | | | | .9 | 3.3 |
| NW | .1 | .3 | .1 | | | | | | | | | .6 | 4.9 |
| NNW | .4 | .6 | .2 | .1 | | | | | | | | 1.2 | 4.9 |
| VARBL | .1 | | | .1 | | | | | | | | .1 | 7.3 |
| CALM | | | | | | | | | | | | 40.3 | |
| | 12.7 | 20.5 | 15.5 | 9.0 | 1.9 | .1 | | | | | | 100.0 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS 1423

1

DATA PROCESSING BRANCH
BTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24056 SEMBACH AB GERMANY 58-72 YEARS OCT 0800-0800
CLASS ALL WEATHER
CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .5 | .7 | .1 | | | | | | | | 1.8 | 4.7 |
| NNE | .7 | 1.2 | .3 | .2 | | | | | | | | 2.4 | 5.2 |
| NE | 1.5 | 3.2 | 1.2 | .6 | | | | | | | | 6.5 | 5.5 |
| ENE | 1.7 | 2.6 | 1.3 | .2 | | .2 | | | | | | 6.0 | 5.9 |
| E | .8 | 1.3 | .5 | .1 | | | | | | | | 2.8 | 4.8 |
| ESE | .2 | | | | | | | | | | | .2 | 2.0 |
| SE | .4 | .6 | .2 | | | | | | | | | 1.2 | 4.4 |
| SSE | .4 | .1 | | | | | | | | | | .5 | 3.0 |
| S | 1.6 | 1.2 | .3 | .1 | | | | | | | | 2.3 | 6.2 |
| SSW | 1.8 | 1.3 | .5 | .7 | .3 | .1 | | | | | | 4.3 | 7.0 |
| SW | 2.0 | 3.9 | 3.1 | 4.6 | .6 | .2 | .1 | | | | | 16.5 | 9.1 |
| WSW | .7 | 2.0 | 3.3 | 3.0 | .7 | .1 | | | | | | 9.7 | 9.3 |
| W | .4 | 1.4 | 1.6 | .7 | .2 | | | | | | | 6.3 | 7.9 |
| WNW | .2 | .4 | | | | | | | | | | .8 | 4.1 |
| NW | .1 | .3 | .2 | .1 | | | | | | | | .6 | 7.0 |
| NNW | .4 | .3 | .1 | | | | | | | | | .8 | 3.8 |
| VARBL | .2 | | | | | | | | | | | .3 | 2.3 |
| CALM | | | | | | | | | | | | 40.3 | |
| | 13.2 | 20.4 | 13.4 | 10.2 | 1.8 | .6 | .1 | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS 1819

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

34056
 STATION

SENBACH AB GERMANY
 STATION NAME

52-72
 YEARS

2CT
 MONTH

ALL WEATHER
 CLASS

00000000
 NUMBER OF HOURS

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | .9 | .2 | | | | | | | | | 1.7 | 4.7 |
| NNE | .9 | .6 | .2 | | | | | | | | | 1.8 | 4.2 |
| NE | 2.2 | 4.4 | 2.0 | .2 | | | | | | | | 7.4 | 3.6 |
| ENE | 1.7 | 3.4 | 1.3 | .2 | | .1 | | | | | | 4.9 | 3.3 |
| E | 1.5 | 1.0 | .5 | | | | | | | | | 3.0 | 4.1 |
| ESE | .2 | .2 | .1 | | | | | | | | | .4 | 4.0 |
| SE | .2 | .2 | .2 | | | | | | | | | .7 | 3.8 |
| SSE | .2 | .4 | .1 | | | | | | | | | .8 | 4.1 |
| S | 2.0 | .8 | .6 | .1 | | | | | | | | 3.4 | 4.2 |
| SSW | 1.1 | 2.2 | .9 | .4 | .1 | | | | | | | 4.7 | 4.0 |
| SW | 1.4 | 3.7 | 4.1 | 2.8 | .6 | .2 | .1 | | | | | 14.0 | 3.3 |
| WSW | 1.6 | 2.8 | 4.1 | 2.2 | .6 | .2 | | | | | | 11.7 | 3.4 |
| W | .7 | 1.2 | 1.2 | .6 | .1 | | | | | | | 4.0 | 7.0 |
| WNW | .2 | .1 | .1 | | | | | | | | | .3 | 4.0 |
| NW | .2 | .2 | .2 | | | | | | | | | .6 | 4.4 |
| NNW | .2 | .2 | .2 | | | | | | | | | 1.0 | 4.8 |
| VARBL | 1.2 | .2 | .1 | .1 | | | | | | | | 1.6 | 3.0 |
| CALM | | | | | | | | | | | | 33.7 | |
| | 16.5 | 21.5 | 16.2 | 8.0 | 1.3 | .7 | .1 | | | | | 100.0 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS 1718

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

59-72
YEARS

007
MONTH

ALL WEATHER
CLASS

0000-1100
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .6 | .0 | .7 | .1 | | | | | | | | 1.9 | 3.0 |
| NNE | 1.2 | 1.3 | .7 | .2 | | | | | | | | 3.6 | 3.3 |
| NE | 1.6 | 3.6 | 2.4 | .2 | | | | | | | | 7.9 | 3.7 |
| ENE | 1.2 | 3.8 | 2.6 | .3 | .1 | | | | | | | 7.6 | 6.1 |
| E | .7 | 1.7 | 1.9 | .2 | | | | | | | | 4.3 | 6.3 |
| ESE | .5 | .2 | .9 | .1 | | | | | | | | 1.0 | 3.3 |
| SE | .2 | .3 | .2 | | | | | | | | | .8 | 4.8 |
| SSE | .3 | .2 | .1 | .1 | | | | | | | | .7 | 3.4 |
| S | 2.0 | .6 | .8 | .1 | | | | | | | | 3.4 | 6.0 |
| SSW | 1.0 | 1.2 | 1.2 | .3 | .3 | .1 | | | | | | 4.2 | 7.8 |
| SW | 1.3 | 3.6 | 6.1 | 4.3 | 1.4 | .2 | | | | | | 16.9 | 9.9 |
| WSW | .9 | 2.8 | 4.7 | 4.3 | 1.0 | .2 | | | | | | 14.1 | 9.9 |
| W | .9 | 1.6 | 2.4 | 1.0 | .1 | | | | | | | 6.1 | 7.3 |
| WNW | .3 | .3 | .3 | .2 | | | | | | | | 1.3 | 6.7 |
| NW | .2 | .4 | .3 | .1 | .1 | | | | | | | 1.2 | 6.9 |
| NNW | .2 | .3 | .3 | .2 | | | | | | | | 1.3 | 7.3 |
| VARBL | 1.8 | .8 | .6 | .2 | | | | | | | | 3.6 | 3.0 |
| CALM | | | | | | | | | | | | 20.1 | |
| | 14.8 | 23.3 | 26.0 | 12.3 | 3.0 | .3 | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 1718

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SENBACH AB GERMANY
STATION NAME

52-72
YEARS

CCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L & T)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | 1.9 | .8 | .2 | | | | | | | | 2.2 | 6.0 |
| NNE | .5 | 1.8 | 1.1 | .1 | | | | | | | | 2.8 | 6.0 |
| NE | .9 | 3.7 | 3.0 | .2 | .1 | | | | | | | 8.2 | 6.7 |
| ENE | .3 | 3.5 | 3.4 | .7 | | | | | | | | 8.0 | 6.9 |
| E | .5 | 2.0 | 3.4 | .5 | .1 | | | | | | | 6.4 | 7.2 |
| ESE | .2 | .8 | .8 | .1 | | | | | | | | 1.2 | 7.2 |
| SE | .1 | .8 | .6 | .1 | | | | | | | | 1.2 | 6.8 |
| SSE | .1 | .2 | .2 | | | | | | | | | .8 | 6.2 |
| S | .8 | .9 | .8 | .4 | .1 | | | | | | | 2.6 | 7.1 |
| SSW | .6 | .7 | 1.9 | 1.2 | .2 | | | | | | | 4.8 | 9.1 |
| SW | .6 | 2.1 | 3.1 | 4.1 | 1.2 | .2 | | | | | | 12.9 | 10.4 |
| WSW | .6 | 3.0 | 6.9 | 3.8 | 1.2 | .6 | | | | | | 18.0 | 10.6 |
| W | .7 | 3.1 | 3.9 | 1.6 | .4 | | | | | | | 9.7 | 8.2 |
| WNW | .5 | .6 | .6 | .6 | | | | | | | | 2.8 | 7.6 |
| NW | .1 | .8 | .6 | .1 | .1 | | | | | | | 1.7 | 6.7 |
| NNW | .3 | .2 | .6 | .2 | | | | | | | | 1.7 | 7.0 |
| VARBL | 1.1 | .9 | 1.2 | .6 | .3 | | | | | | | 4.8 | 6.9 |
| CALM | | | | | | | | | | | | 0.4 | |
| | 8.7 | 25.9 | 38.0 | 17.7 | 3.2 | .8 | | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 1721

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SEMDACH AB GERMANY
STATION NAME

53-72
YEARS

GCT
MONTH

ALL WEATHER
CLASS

1800-1700
HOURS (L & T)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .6 | 1.2 | 1.0 | .2 | .1 | | | | | | | 3.2 | 0.3 |
| NNE | .6 | 1.6 | .2 | | | | | | | | | 2 | 4.6 |
| NE | 1.1 | 4.7 | 2.7 | .2 | .1 | | | | | | | 6.9 | 6.0 |
| ENE | 2.0 | 8.4 | 8.4 | .7 | .1 | | | | | | | 11.5 | 6.0 |
| E | 1.2 | 3.8 | 2.4 | .6 | | | | | | | | 7.9 | 6.1 |
| ESE | .1 | .6 | .6 | | | | | | | | | 1.4 | 6.3 |
| SE | .2 | .6 | .6 | | | | | | | | | 1.4 | 6.0 |
| SSE | .2 | .2 | .1 | .1 | | | | | | | | .6 | 2.1 |
| S | .2 | .8 | 1.2 | .5 | | | | | | | | 2.7 | 7.2 |
| SSW | .6 | .6 | 1.4 | .8 | .2 | | | | | | | 3.7 | 8.2 |
| SW | .6 | 3.1 | 8.7 | 4.4 | .9 | | | | | | | 14.9 | 9.2 |
| WSW | 1.0 | 3.9 | 8.8 | 4.4 | .4 | .2 | | | | | | 13.7 | 9.0 |
| W | 1.4 | 3.9 | 3.3 | 1.6 | .2 | .1 | | | | | | 10.5 | 7.4 |
| WNW | .2 | .6 | .6 | .5 | | | | | | | | 1.9 | 8.0 |
| NW | .2 | .3 | .7 | .2 | .1 | | | | | | | 1.2 | 8.0 |
| NNW | .2 | .7 | .7 | .2 | | | | | | | | 1.9 | 6.6 |
| VARBL | .6 | .9 | .9 | .6 | .1 | | | | | | | 3.0 | 7.2 |
| CALM | | | | | | | | | | | | 7.0 | |
| | 11.3 | 33.3 | 31.2 | 14.8 | 2.2 | .2 | | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS

1716

DATA PROCESSING BRANCH
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

34056
 STATION

SEMBACH AF GERMANY
 STATION NAME

33-67, 69, 71-72
 YEARS

CCT
 MONTH

ALL WEATHER
 CLASS

1800-2000
 HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | 1.2 | .3 | | | | | | | | | 1.9 | 5.1 |
| NNE | .7 | 1.2 | .3 | | | | | | | | | 2.1 | 4.4 |
| NE | 3.7 | 4.3 | 1.2 | .5 | | | | | | | | 10.1 | 4.9 |
| ENE | 2.5 | 4.8 | 1.6 | .3 | .1 | | | | | | | 9.4 | 5.2 |
| E | 1.2 | 2.4 | 1.2 | | | | | | | | | 4.8 | 4.5 |
| ESE | .5 | .1 | .1 | | | | | | | | | .7 | 2.5 |
| SE | .6 | .1 | .1 | | | | | | | | | .7 | 3.6 |
| SSE | 1.7 | .3 | .2 | | | | | | | | | 1.5 | 3.7 |
| S | 1.5 | 1.7 | .9 | .3 | | | | | | | | 4.4 | 5.9 |
| SSW | 1.1 | 1.0 | 1.4 | .7 | .2 | | | | | | | 4.2 | 7.4 |
| SW | 1.5 | 4.1 | 3.8 | 3.1 | .1 | .1 | | | | | | 12.6 | 6.0 |
| WSW | 1.2 | 2.2 | 3.3 | 2.1 | .2 | | | | | | | 9.1 | 8.1 |
| W | 1.0 | 2.4 | 1.7 | 1.3 | .2 | | | | | | | 6.6 | 7.6 |
| WNW | .3 | .6 | | | | | | | | | | .8 | 3.8 |
| NW | .3 | .4 | .3 | .1 | | | | | | | | 1.1 | 6.0 |
| NNW | .4 | .3 | .2 | | | | | | | | | 1.1 | 4.6 |
| VARBL | | | .1 | .1 | | | | | | | | .2 | 10.0 |
| CALM | | | | | | | | | | | | 27.3 | |
| | 18.0 | 28.1 | 10.9 | 8.7 | .9 | .1 | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 1448

1

DATA PROCESSING BRANCH
ETAC/USAP
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SENBACH AB GERMANY
STATION NAME

53-67, 69, 71-72
YEARS

CCY
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .8 | .6 | .1 | | | | | | | | 1.8 | 2.2 |
| NNE | 1.2 | .4 | .6 | | | | | | | | | 2.2 | 4.6 |
| NE | 2.1 | 3.1 | 1.7 | .5 | | | | | | | | 7.4 | 2.6 |
| ENE | 1.7 | 3.6 | 1.7 | .2 | .1 | | | | | | | 7.4 | 9.6 |
| E | 1.5 | 1.7 | .5 | .1 | | | | | | | | 3.7 | 4.8 |
| ESE | .1 | | .1 | | | | | | | | | .2 | 4.2 |
| SE | .2 | .2 | | | | | | | | | | .7 | 4.0 |
| SSE | .6 | .7 | | | | | | | | | | 1.2 | 2.7 |
| S | 1.2 | 1.2 | .8 | .2 | | | | | | | | 3.3 | 2.0 |
| SSW | .4 | .7 | 1.0 | .6 | .1 | .1 | | | | | | 2.8 | 7.8 |
| SW | 1.3 | 2.6 | 3.1 | 3.9 | .6 | .1 | | | | | | 13.6 | 6.9 |
| WSW | 1.2 | 1.7 | 2.0 | 2.1 | .2 | .1 | | | | | | 8.1 | 8.2 |
| W | .8 | 1.9 | 1.9 | 1.2 | | | | | | | | 8.3 | 7.1 |
| WNW | .1 | .8 | .4 | .1 | | | | | | | | 1.1 | 6.4 |
| NW | .4 | .2 | .2 | .2 | | | | | | | | 1.2 | 6.6 |
| NNW | .3 | .2 | .1 | | | | | | | | | .8 | 4.1 |
| VARBL | | .1 | .8 | .1 | | | | | | | | .2 | 9.0 |
| CALM | | | | | | | | | | | | 37.7 | |
| | 14.4 | 20.7 | 10.8 | 9.4 | .9 | .1 | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS 1442

1

DATA PROCESSING BRANCH
BTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATIONSEMBACH AB GERMANY
STATION NAME52-67
YEARSADY
MONTHALL WEATHER
CLASS0000-0200
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.0 | .4 | .2 | | | | | | | | 2.8 | 2.1 |
| NNE | 1.0 | 1.0 | .4 | .1 | | | | | | | | 1.1 | 4.6 |
| NE | 2.4 | 3.0 | 3.8 | 1.0 | | | | | | | | 12.6 | 6.4 |
| ENE | 2.4 | 3.0 | 3.7 | 1.0 | | | | | | | | 9.9 | 6.2 |
| E | .7 | 2.5 | 1.0 | .2 | | | | | | | | 4.3 | 3.7 |
| ESE | .4 | .7 | .2 | .1 | | | | | | | | 1.0 | 3.2 |
| SE | .4 | .2 | .2 | .1 | | | | | | | | 1.0 | 6.0 |
| SSE | .1 | .7 | .2 | .1 | | | | | | | | 1.2 | 3.8 |
| S | 2.4 | 1.0 | .6 | .4 | .1 | | | | | | | 3.0 | 3.0 |
| SSW | .8 | 1.0 | 1.6 | .4 | .1 | .1 | | | | | | 3.9 | 7.3 |
| SW | 1.0 | 4.1 | 3.2 | 4.7 | 1.0 | .2 | .1 | | | | | 14.0 | 9.6 |
| WSW | .6 | 1.3 | 2.9 | 3.0 | 1.0 | .8 | .1 | | | | | 9.8 | 11.2 |
| W | .6 | 1.3 | .7 | 1.2 | .1 | | | | | | | 4.2 | 3.6 |
| WNW | .4 | .2 | .1 | .1 | | | | | | | | .9 | 4.3 |
| NW | .4 | .4 | .2 | | | | | | | | | 1.0 | 6.6 |
| NNW | .2 | .7 | .1 | .1 | .1 | | | | | | | 1.3 | 7.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.7 | |
| | 13.7 | 24.9 | 18.8 | 13.5 | 2.4 | 1.2 | .1 | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS

1348

USAFETAC

FORM 0-8-5 DL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AR 84

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

22-72
YEARS

ACV
MONTH

ALL WEATHER
CLASS

0300-0900
HOURS LST

CONDITION

| SPEED
(KNTS)
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | 1.0 | 1.2 | 1.6 | | | | | | | | | 2.9 | 4.9 |
| NNE | 1.2 | 1.2 | 1.2 | | | | | | | | | 2.9 | 4.9 |
| NE | 1.4 | 3.8 | 4.2 | 1.2 | 1.1 | | | | | | | 10.8 | 7.0 |
| ENE | 1.2 | 4.2 | 2.2 | 1.6 | | | | | | | | 8.2 | 6.0 |
| E | 1.7 | 1.7 | 1.2 | 1.6 | | | | | | | | 4.2 | 6.3 |
| ESE | 1.2 | 1.6 | 1.2 | 1.2 | | | | | | | | 1.4 | 7.2 |
| SE | 1.4 | | 1.2 | | | | | | | | | 1.0 | 4.4 |
| SSE | 1.6 | 1.4 | | | | | | | | | | 1.1 | 4.7 |
| S | 1.8 | 1.2 | 1.7 | 1.1 | 1.1 | | | | | | | 2.4 | 3.6 |
| SSW | 1.1 | 1.4 | 1.9 | 1.4 | 1.8 | 1.1 | | | | | | 4.2 | 6.9 |
| SW | 1.6 | 3.7 | 4.0 | 4.9 | 1.0 | 1.2 | 1.1 | | | | | 10.0 | 9.1 |
| WSW | 1.0 | 1.7 | 2.0 | 2.9 | 1.8 | 1.8 | | | | | | 10.0 | 11.0 |
| W | 1.2 | 1.8 | 1.6 | 1.1 | 1.2 | 1.1 | | | | | | 4.8 | 8.8 |
| WNW | 1.2 | 1.1 | 1.1 | 1.1 | | | | | | | | 1.8 | 2.8 |
| NW | 1.1 | 1.2 | 1.2 | 1.1 | | | | | | | | 1.9 | 7.0 |
| NNW | 1.1 | 1.2 | 1.2 | 1.2 | 1.1 | | | | | | | 1.9 | 7.2 |
| VARBL | 1.1 | 1.1 | 1.2 | 1.2 | 1.1 | | | | | | | 1.8 | 10.2 |
| CALM | | | | | | | | | | | | 29.9 | |
| | 12.4 | 24.2 | 20.8 | 12.7 | 2.9 | 1.0 | 1.1 | | | | | 100.0 | 8.7 |

TOTAL NUMBER OF OBSERVATIONS

1442

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

59-72
YEARS

NCV
MONTH

ALL WEATHER
CLASS

0400-0800
HOURS (L & T)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | 1.2 | .4 | .2 | | | | | | | | 2.8 | 4.8 |
| NNE | 1.6 | 1.3 | .2 | .2 | | | | | | | | 2.5 | 3.7 |
| NE | 1.8 | 3.4 | 3.8 | 1.4 | | | | | | | | 12.3 | 6.4 |
| ENE | 1.1 | 2.6 | 3.6 | .8 | | | | | | | | 7.1 | 6.6 |
| E | 1.3 | 2.3 | 1.3 | .4 | | | | | | | | 5.5 | 3.8 |
| ESE | .4 | .8 | .2 | | | | | | | | | 1.1 | 4.7 |
| SE | .4 | 1.0 | .1 | | | | | | | | | 1.5 | 4.6 |
| SSE | .4 | .3 | .1 | .1 | | | | | | | | 1.1 | 3.1 |
| S | 1.0 | 1.3 | .2 | .1 | .1 | | | | | | | 3.0 | 4.8 |
| SSW | 1.1 | 1.4 | 1.2 | .4 | .2 | .1 | | | | | | 4.3 | 6.8 |
| SW | 1.4 | 3.6 | 3.7 | 3.8 | 1.0 | .8 | .1 | .1 | | | | 16.2 | 10.2 |
| WSW | .8 | 2.6 | 3.0 | 3.1 | .4 | .8 | .1 | | | | | 10.6 | 9.8 |
| W | .9 | 1.4 | 2.0 | 1.0 | .3 | | | | | | | 5.7 | 8.0 |
| WNW | .2 | .2 | .2 | .1 | | | | | | | | .7 | 3.9 |
| NW | | .6 | .1 | .1 | | | | | | | | .7 | 3.8 |
| NNW | .6 | .3 | .2 | .2 | | | | | | | | 1.4 | 3.6 |
| VARBL | .4 | .1 | .1 | .7 | .4 | | | | | | | 1.7 | 11.7 |
| CALM | | | | | | | | | | | | 22.0 | |
| | 13.7 | 20.2 | 19.8 | 14.7 | 2.5 | .9 | .2 | .1 | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 1625

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056 SEMBACH AB GERMANY

22-72

ACV

ALL WEATHER

0900-1100

| SPEED
KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .6 | 1.2 | .7 | .1 | | | | | | | | 2.6 | 2.6 |
| NNE | .6 | .9 | .2 | .4 | | | | | | | | 2.0 | 2.6 |
| NE | 1.6 | 4.2 | 2.6 | 1.2 | .1 | | | | | | | 9.7 | 6.7 |
| ENE | 1.5 | 3.0 | 3.7 | 1.2 | | | | | | | | 9.4 | 6.7 |
| E | 1.5 | 2.5 | 1.7 | .7 | | | | | | | | 6.3 | 6.0 |
| ESE | .7 | .4 | .2 | | | | | | | | | 1.3 | 4.0 |
| SE | .4 | .7 | | .1 | | | | | | | | 1.2 | 3.1 |
| SSE | .5 | .6 | .5 | | | | | | | | | 1.6 | 3.3 |
| S | 1.7 | 1.0 | .7 | .3 | | | | | | | | 3.7 | 3.0 |
| SSW | .6 | 1.4 | 1.3 | .6 | .3 | .1 | | | | | | 4.6 | 7.8 |
| SW | 1.3 | 2.9 | 4.5 | 5.1 | 1.8 | .6 | .1 | | | | | 16.2 | 10.6 |
| WSW | .8 | 2.4 | 3.1 | 4.3 | 1.2 | .1 | .2 | .1 | | | | 12.2 | 10.6 |
| W | .8 | 1.4 | 2.3 | 1.2 | .2 | .1 | .1 | .1 | | | | 6.1 | 8.7 |
| WNW | .2 | .6 | .1 | | .1 | | | | | | | 1.0 | 3.9 |
| NW | .6 | .4 | .3 | | | | | | | | | 1.3 | 4.4 |
| NNW | .2 | .6 | .1 | | | | | | | | | .9 | 4.6 |
| VARBL | .9 | .2 | .2 | .6 | .6 | | | | | | | 2.4 | 10.2 |
| CALM | | | | | | | | | | | | 17.5 | |
| | 14.6 | 24.5 | 22.2 | 15.8 | 4.2 | .8 | .2 | .1 | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 1636

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATIONSENBACH AB GERMANY
STATION NAME53-72
YEARSACV
NORTHALL WEATHER
CLASS1200-1400
HOURS LOCAL

CONDITION

| SPEED
KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .9 | 1.4 | .8 | .2 | | | | | | | | 3.2 | 3.4 |
| NNE | .6 | 1.2 | .4 | .1 | | | | | | | | 2.2 | 2.3 |
| NE | 1.7 | 3.6 | 4.1 | 1.2 | .1 | | | | | | | 10.7 | 6.8 |
| ENE | .9 | 4.0 | 3.4 | .9 | | | | | | | | 9.2 | 6.8 |
| E | .8 | 2.0 | 2.6 | 1.0 | | | | | | | | 6.4 | 7.3 |
| ESE | .1 | 1.1 | .5 | | | | | | | | | 1.7 | 2.7 |
| SE | .6 | .6 | .7 | .2 | .1 | | | | | | | 2.2 | 6.5 |
| SSE | .3 | .2 | .3 | .1 | | | | | | | | .9 | 2.2 |
| S | .6 | 1.4 | .9 | .2 | .1 | | | | | | | 3.1 | 6.2 |
| SSW | .4 | .9 | 1.9 | 1.2 | .2 | .1 | | | | | | 4.6 | 9.9 |
| SW | .7 | 3.0 | 3.8 | 3.1 | 1.7 | 1.1 | .1 | | | | | 17.4 | 11.2 |
| WSW | .6 | 2.8 | 3.6 | 3.1 | 1.3 | .2 | | | | | | 13.9 | 10.5 |
| W | 1.1 | 2.6 | 2.4 | 2.0 | .5 | .1 | .1 | | | | | 8.6 | 8.8 |
| WNW | .5 | .2 | .4 | | .1 | | | | | | | 1.2 | 2.6 |
| NW | .1 | .4 | .3 | .1 | | | | | | | | .9 | 6.3 |
| NNW | .2 | .9 | .6 | .1 | .1 | | | | | | | 1.8 | 6.3 |
| VARBL | .9 | .3 | .2 | .7 | .4 | .1 | | | | | | 2.7 | 9.0 |
| CALM | | | | | | | | | | | | 9.6 | |
| | 10.9 | 26.0 | 28.8 | 18.0 | 4.4 | 1.4 | .2 | | | | | 100.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS 1419

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/VAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SEYBACH AB GERMANY
STATION NAME

53.72
YEARS

REV
MONTH

1500-1700
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

| SPEED
KNTS
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.6 | 1.0 | .1 | | | | | | | | 3.6 | 3.1 |
| NNE | 1.2 | 1.2 | .5 | .2 | | | | | | | | 2.1 | 4.8 |
| NE | 1.7 | 5.3 | 3.7 | 1.0 | .1 | | | | | | | 11.8 | 6.4 |
| ENE | 2.1 | 3.4 | 2.5 | 1.4 | | | | | | | | 9.4 | 6.4 |
| E | 1.4 | 3.3 | 3.0 | .3 | | | | | | | | 7.9 | 6.0 |
| ESE | .3 | 1.0 | .3 | .2 | | | | | | | | 1.9 | 6.1 |
| SE | .2 | .8 | .4 | .2 | | | | | | | | 1.6 | 6.2 |
| SSE | .4 | .7 | .6 | .1 | | | | | | | | 1.8 | 6.0 |
| S | 1.0 | 1.1 | 2.0 | .2 | .1 | | | | | | | 4.2 | 6.3 |
| SSW | .8 | .8 | 1.2 | 1.0 | .1 | | | | | | | 2.6 | 8.4 |
| SW | .7 | 3.1 | 3.9 | 4.4 | 1.0 | .7 | .1 | | | | | 12.9 | 10.6 |
| WSW | 1.0 | 2.3 | 3.9 | 4.1 | .7 | .4 | | | | | | 12.4 | 10.1 |
| W | 1.0 | 1.9 | 2.7 | 1.5 | .4 | | | | | | | 7.3 | 8.1 |
| WNW | .2 | .6 | .2 | | .1 | | | | | | | 1.1 | 5.9 |
| NW | .1 | .4 | .1 | .1 | | | | | | | | .7 | 5.7 |
| NNW | .1 | .8 | .6 | .1 | | | | | | | | 1.6 | 6.1 |
| VARBL | .6 | .4 | .1 | .6 | .2 | .1 | | | | | | 1.9 | 9.0 |
| CALM | | | | | | | | | | | | 9.7 | |
| | 13.6 | 28.8 | 28.7 | 19.3 | 2.6 | 1.2 | .1 | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS

1629

USAFETAC

FORM 0-6-7 (C) 4-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

22-67
YEARS

NAV
MORTH

ALL WEATHER
CLASS

1800-2000
HOURS LST

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .8 | .6 | | | | | | | | | 2.1 | 2.0 |
| NNE | 1.1 | 1.6 | .5 | .1 | | | | | | | | 2.3 | 4.7 |
| NE | 2.4 | 4.7 | 3.7 | 1.3 | | | | | | | | 12.1 | 6.3 |
| ENE | 1.5 | 4.2 | 3.3 | 1.1 | .1 | | | | | | | 10.2 | 6.9 |
| E | 2.3 | 2.8 | 1.6 | .5 | | | | | | | | 7.3 | 5.4 |
| ESE | .2 | .7 | .2 | | | | | | | | | 1.1 | 2.1 |
| SE | .7 | .7 | .7 | | | | | | | | | 2.1 | 2.4 |
| SSE | .6 | .7 | .3 | .1 | | | | | | | | 1.9 | 2.4 |
| S | 1.0 | 1.8 | 1.9 | .4 | | | | | | | | 4.7 | 6.0 |
| SSW | .9 | 1.0 | 1.3 | .9 | .1 | | | | | | | 3.9 | 4.8 |
| SW | 1.3 | 3.5 | 4.3 | 4.2 | 1.3 | .7 | | | | | | 19.4 | 9.9 |
| WSW | 1.4 | 2.2 | 2.8 | 2.7 | .7 | .4 | .1 | | | | | 10.0 | 9.3 |
| W | .9 | .9 | 1.4 | 1.1 | .1 | .2 | | | | | | 4.8 | 6.4 |
| WNW | .1 | .4 | .1 | .1 | .1 | | | | | | | .7 | 4.2 |
| NW | .1 | .2 | .8 | .1 | | | | | | | | 1.3 | 7.3 |
| NNW | .4 | .4 | .4 | | | | | | | | | 1.2 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.1 | |
| | 15.5 | 26.9 | 23.6 | 12.4 | 2.2 | 1.3 | .1 | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS

1250

1
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SEMBACH AB GERMANY
STATION NAME

59-67
YEARS

NCV
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | 1.0 | .4 | .1 | | | | | | | | 2.4 | 4.8 |
| NNE | 1.0 | 1.0 | .1 | .1 | | | | | | | | 2.7 | 4.2 |
| NE | 2.1 | 4.9 | 2.9 | 1.6 | | | | | | | | 11.4 | 6.4 |
| ENE | 1.0 | 3.8 | 2.9 | .8 | .1 | | | | | | | 9.1 | 6.4 |
| E | 1.8 | 2.2 | 1.9 | .5 | | | | | | | | 6.3 | 5.8 |
| ESE | .4 | .2 | .4 | .1 | | | | | | | | 1.3 | 6.6 |
| SE | .4 | .4 | .5 | .1 | | | | | | | | 1.4 | 6.2 |
| SSE | .2 | .4 | .2 | .1 | | | | | | | | 1.0 | 5.0 |
| S | .4 | 2.1 | 1.0 | .2 | | | | | | | | 3.8 | 5.9 |
| SSW | 1.0 | 1.3 | 1.4 | .8 | | | | | | | | 4.3 | 6.9 |
| SW | 1.0 | 3.9 | 4.8 | 3.0 | 1.2 | .8 | | | | | | 15.6 | 10.0 |
| WSW | 1.0 | 2.2 | 2.7 | 3.0 | .7 | .4 | .1 | | | | | 10.2 | 10.2 |
| W | .4 | 1.2 | 1.4 | .9 | .4 | .2 | | | | | | 4.3 | 9.5 |
| WNW | .2 | .4 | .1 | .1 | | | | | | | | .9 | 5.0 |
| NW | .1 | .6 | .1 | .1 | | | | | | | | .9 | 5.5 |
| NNW | .1 | .8 | .1 | .1 | | | | | | | | 1.1 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 22.8 | |
| | 12.8 | 27.4 | 21.1 | 12.2 | 2.4 | 1.4 | .1 | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS 1349

DATA PROCESSING BRANCH
ETAC/USAP
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

53-67.72
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | .8 | .4 | .2 | | | | | | | | 2.2 | 2.5 |
| NNE | .2 | .6 | .4 | .1 | | | | | | | | 1.2 | 3.8 |
| NE | 2.0 | 2.6 | 2.2 | .5 | | | | | | | | 8.3 | 8.7 |
| ENE | .9 | 2.4 | 2.4 | .6 | | | | | | | | 6.5 | 8.6 |
| E | 1.6 | 2.3 | 2.2 | .1 | | | | | | | | 6.2 | 5.7 |
| ESE | .1 | .4 | .1 | .1 | | | | | | | | .6 | 6.7 |
| SE | .3 | .5 | .1 | .1 | | | | | | | | .9 | 5.0 |
| SSE | .3 | .2 | .1 | .1 | | | | | | | | .6 | 5.0 |
| S | 1.4 | 1.2 | .9 | .4 | .1 | | | | | | | 4.2 | 6.2 |
| SSW | 1.6 | 1.3 | 1.4 | .6 | .2 | | | | | | | 3.0 | 6.7 |
| SW | 1.0 | 3.0 | 3.2 | 7.5 | 2.4 | .9 | .1 | | | | | 20.1 | 11.5 |
| WSW | .6 | 1.6 | 2.7 | 5.9 | 2.0 | 1.1 | .2 | | | | | 16.3 | 12.9 |
| W | .6 | 2.1 | 2.4 | 2.0 | .6 | .1 | | | | | | 7.7 | 9.5 |
| WNW | .3 | .4 | .1 | .1 | | | | | | | | .9 | 6.0 |
| NW | .3 | .7 | .2 | | | | | | | | | 1.1 | 6.8 |
| NNW | .3 | .9 | .2 | .2 | | | | | | | | 1.8 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 16.2 | |
| | 12.3 | 21.9 | 20.9 | 18.7 | 8.4 | 2.1 | .4 | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS 1393

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATIONSENBACH AB GERMANY
STATION NAME53-72
YEARSSEC
SYSTEMALL WEATHER
CLASS0000-0800
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | 1.1 | .7 | .1 | | | | | | | | 2.3 | 0.0 |
| NNE | .5 | .7 | .6 | .1 | | | | | | | | 1.9 | 0.0 |
| NE | 1.0 | 2.0 | 1.4 | .8 | | | | | | | | 7.1 | 0.0 |
| ENE | .7 | 2.0 | 3.0 | .6 | | | | | | | | 7.2 | 0.0 |
| E | .5 | 2.3 | 3.0 | .2 | | | | | | | | 6.6 | 0.0 |
| ESE | .5 | .2 | .2 | .1 | | | | | | | | 1.2 | 0.1 |
| SE | .2 | .2 | .1 | .1 | | | | | | | | .8 | 0.7 |
| SSE | .2 | .0 | .1 | .2 | | | | | | | | 1.2 | 0.4 |
| S | 1.0 | 1.1 | .5 | .1 | | | | | | | | 2.8 | 0.0 |
| SSW | .4 | .4 | .8 | .7 | .2 | | | | | | | 2.8 | 0.0 |
| SW | 1.1 | 2.0 | 3.8 | 0.2 | 2.0 | .7 | .1 | | | | | 20.7 | 11.0 |
| WSW | .2 | 1.7 | 3.6 | 4.4 | 2.1 | 1.0 | .1 | | | | | 13.4 | 12.0 |
| W | 1.4 | 1.0 | 2.2 | 2.2 | .8 | .4 | | | | | | 8.7 | 9.0 |
| WNW | .2 | .2 | .2 | .1 | | | | | | | | 1.1 | 0.0 |
| NW | .2 | .2 | .2 | .1 | .1 | | | | | | | 1.2 | 0.0 |
| NNW | .5 | .7 | .2 | | | | | | | | | 1.3 | 0.7 |
| VARBL | .1 | | | .1 | | | | | | | | .2 | 0.7 |
| CALM | | | | | | | | | | | | 19.1 | |
| | 11.4 | 20.7 | 23.2 | 18.0 | 3.2 | 2.1 | .2 | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS

1490

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SENBACH AB GERMANY
STATION NAME

53-72
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0400-0800
HOURS (L & T)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | .4 | .2 | .1 | | | | | | | | 1.3 | 3.0 |
| NNE | 1.3 | .8 | .2 | .1 | | | | | | | | 2.3 | 4.4 |
| NE | 1.8 | 3.4 | 2.0 | .5 | | | | | | | | 7.8 | 3.8 |
| ENE | 1.3 | 3.4 | 2.3 | .5 | | | | | | | | 7.7 | 3.9 |
| E | 1.3 | 2.4 | 2.4 | .1 | | | | | | | | 6.4 | 3.7 |
| ESE | .4 | .8 | .5 | .1 | | | | | | | | 1.2 | 6.1 |
| SE | .2 | .4 | .1 | | | | | | | | | .7 | 4.3 |
| SSE | .3 | .8 | .2 | .1 | | | | | | | | 1.1 | 4.8 |
| S | .3 | .8 | .5 | .2 | | | | | | | | 2.4 | 3.4 |
| SSW | 1.3 | 1.8 | .8 | 1.0 | .2 | | | | | | | 4.8 | 7.0 |
| SW | .8 | 2.7 | 3.6 | 6.0 | 1.6 | | | .2 | .1 | | | 17.7 | 11.2 |
| WSW | .7 | 2.2 | 3.5 | 5.2 | 2.4 | 1.1 | | | | | | 13.3 | 12.1 |
| W | 1.0 | 1.2 | 2.3 | 2.0 | .8 | .4 | | | | | | 7.8 | 10.3 |
| WNW | .2 | .2 | .4 | .1 | | | | | | | | 1.1 | 6.4 |
| NW | .2 | .1 | .1 | | .1 | | | | | | | .8 | 3.4 |
| NNW | .2 | .1 | .3 | .1 | | | | | | | | 1.2 | 6.1 |
| VARBL | .7 | .3 | | .2 | .1 | | | | | | | 1.2 | 3.2 |
| CALM | | | | | | | | | | | | 18.7 | |
| | 13.9 | 21.8 | 22.1 | 16.2 | 3.1 | 2.2 | .2 | .1 | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS 1482

1
DATA PROCESSING BRANCH
BTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34056
STATION

SENBACH AB GERMANY
STATION NAME

59-72
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L & T)

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | ~ | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .7 | .6 | .2 | | | | | | | | 2.1 | 3.8 |
| NNE | .6 | .5 | .2 | .3 | | | | | | | | 1.6 | 3.7 |
| NE | 1.8 | 3.1 | 2.6 | .9 | .1 | | | | | | | 8.4 | 6.2 |
| ENE | 1.4 | 3.5 | 1.7 | .5 | | | | | | | | 7.1 | 5.8 |
| E | 1.5 | 2.7 | 2.4 | .2 | | | | | | | | 6.9 | 6.1 |
| ESE | .4 | .6 | .6 | .1 | | | | | | | | 1.6 | 3.8 |
| SE | .4 | .5 | .1 | | | | | | | | | 1.1 | 3.8 |
| SSE | .4 | .1 | .1 | | | | | | | | | .2 | 3.2 |
| S | 1.1 | 1.2 | .3 | .2 | .1 | | | | | | | 2.1 | 3.3 |
| SSW | .7 | 1.8 | 1.1 | .8 | .1 | | | | | | | 4.2 | 7.4 |
| SW | .9 | 2.8 | 3.3 | 5.6 | 1.8 | .8 | | .2 | .1 | | | 17.6 | 11.4 |
| WSW | 1.0 | 2.8 | 4.2 | 6.6 | 2.4 | .8 | .1 | | | | | 17.8 | 11.7 |
| W | .8 | 1.0 | 2.3 | 2.4 | .9 | .1 | | | | | | 7.5 | 10.9 |
| WNW | .2 | .1 | .2 | .1 | .1 | | | | | | | .7 | 7.8 |
| NW | .2 | .1 | .2 | | | | | | | | | .2 | 3.0 |
| NNW | .3 | .3 | .3 | .1 | | | | | | | | .9 | 3.6 |
| VARBL | .8 | .9 | .2 | .2 | .1 | | | | | | | 2.2 | 3.1 |
| CALM | | | | | | | | | | | | 16.0 | |
| | 13.2 | 22.5 | 22.6 | 18.2 | 5.5 | 1.7 | .1 | .2 | .1 | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 1486

DATA PROCESSING BRANCH
BTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SEMDACH AB GERMANY
STATION NAME

53-72
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS - LST

CONDITION

| SPEED
(KNTS)
DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .6 | 1.1 | .8 | | | | | | | | | 2.4 | 3.5 |
| NNE | .6 | 1.1 | .5 | .2 | | | | | | | | 2.4 | 3.8 |
| NE | 1.4 | 2.9 | 2.7 | .8 | | | | | | | | 7.9 | 6.4 |
| ENE | 1.5 | 3.7 | 2.0 | .9 | | | | | | | | 6.1 | 6.3 |
| E | .7 | 2.7 | 3.1 | .2 | | | | | | | | 6.8 | 6.5 |
| ESE | .3 | .6 | .5 | .1 | | | | | | | | 1.5 | 6.1 |
| SE | .3 | .7 | .3 | .2 | | | | | | | | 1.4 | 6.0 |
| SSE | .2 | .5 | .1 | .1 | | | | | | | | .8 | 5.6 |
| S | .3 | .7 | .5 | .1 | .1 | | | | | | | 1.9 | 5.6 |
| SSW | .4 | .8 | 1.1 | 1.5 | .3 | | | | | | | 4.1 | 9.7 |
| SW | .7 | 2.2 | 4.7 | 7.2 | 2.3 | .8 | .1 | .1 | | | | 16.1 | 12.0 |
| WSW | .4 | 2.4 | 4.7 | 6.5 | 2.7 | .8 | .2 | | | | | 17.7 | 12.2 |
| W | .8 | 1.8 | 2.1 | 3.6 | .7 | .2 | | | | | | 9.2 | 10.2 |
| WNW | .1 | .4 | .1 | .4 | .1 | | .1 | | | | | 1.1 | 9.8 |
| NW | .2 | .5 | .4 | .1 | | | | | | | | 1.1 | 6.2 |
| NNW | .4 | .8 | .7 | .1 | | | | | | | | 2.0 | 6.2 |
| VARBL | .6 | 1.0 | .2 | .4 | | | | | | | | 2.3 | 5.9 |
| CALM | | | | | | | | | | | | 11.2 | |
| | 9.5 | 24.1 | 24.6 | 22.2 | 6.0 | 1.8 | .4 | .1 | | | | 100.0 | 8.2 |

TOTAL NUMBER OF OBSERVATIONS 1486

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATIONSENBACH AB GERMANY
STATION NAME59-72
YEARSDEC
MONTHALL WEATHER
CLASS1800-1700
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | 1.2 | .7 | .2 | | | | | | | | 3.3 | 2.2 |
| NNE | .6 | .7 | .4 | .2 | | | | | | | | 1.4 | 0.1 |
| NE | 1.4 | 3.5 | 3.0 | 1.3 | | | | | | | | 9.2 | 3.2 |
| ENE | 1.1 | 4.2 | 2.8 | .4 | | | | | | | | 8.5 | 0.7 |
| E | 1.5 | 4.5 | 2.2 | .1 | | | | | | | | 8.3 | 5.4 |
| ESE | .2 | .5 | .3 | | | | | | | | | 1.1 | 2.1 |
| SE | .6 | .7 | .2 | .1 | | | | | | | | 1.1 | 3.4 |
| SSE | .3 | .5 | | | | | | | | | | 1.1 | 4.8 |
| S | .4 | 1.1 | .5 | .2 | .1 | | | | | | | 2.3 | 6.0 |
| SSW | .5 | 1.4 | 1.1 | 1.1 | | | | | | | | 4.0 | 7.0 |
| SW | .6 | 3.1 | 3.3 | 6.7 | 2.4 | .7 | .1 | .1 | | | | 19.3 | 11.4 |
| WSW | 1.3 | 1.0 | 3.9 | 5.1 | 1.8 | .4 | .1 | | .1 | | | 14.4 | 11.4 |
| W | .7 | 1.7 | 2.3 | 2.1 | 1.1 | .1 | | | | | | 8.1 | 10.2 |
| WNW | .1 | .3 | .5 | .2 | .1 | .1 | | | | | | 1.3 | 9.9 |
| NNW | .5 | .4 | .2 | .1 | | | | .1 | | | | 1.2 | 6.3 |
| NNW | .4 | 1.0 | 1.0 | .2 | | | | | | | | 2.6 | 6.3 |
| VARBL | .7 | .5 | .4 | .2 | | | | | | | | 2.0 | 5.3 |
| CALM | | | | | | | | | | | | 10.2 | |
| | 11.2 | 27.5 | 25.4 | 19.2 | 5.4 | 1.2 | .2 | .1 | .1 | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS

1683

USAFETAC

FORM
AUG 64

GWS-5 (11-64) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SENBACH AB GERMANY
STATION NAME

33-67.72
ELEV

DEC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

| SPEED
(KNTS)
DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN
WIND
SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .4 | .8 | .2 | | | | | | | | 1.7 | 7.3 |
| NNE | .9 | 1.1 | .2 | .1 | .1 | | | | | | | 2.4 | 5.4 |
| NE | 1.8 | 2.8 | 1.7 | .9 | | | | | | | | 6.9 | 6.2 |
| ENE | 2.2 | 3.2 | 2.1 | .4 | | | | | | | | 7.8 | 5.7 |
| E | 1.4 | 2.7 | 2.1 | .2 | | | | | | | | 6.5 | 5.7 |
| ESE | .8 | .8 | .1 | | | | | | | | | .9 | 4.2 |
| SE | .8 | .8 | .2 | | | | | | | | | 1.2 | 4.4 |
| SSE | .4 | .4 | | .1 | | | | | | | | .9 | 4.2 |
| S | .9 | 2.4 | .4 | .4 | .1 | | | | | | | 4.2 | 5.8 |
| SSW | .9 | 1.8 | 1.9 | 1.2 | .2 | | | | | | | 6.1 | 7.8 |
| SW | 1.0 | 3.2 | 3.2 | 3.8 | 1.9 | 1.1 | .6 | .1 | | | | 19.1 | 11.9 |
| WSW | .6 | 2.4 | 3.5 | 3.2 | 1.6 | .4 | .1 | .1 | | | | 14.1 | 11.6 |
| W | .9 | 1.1 | 2.4 | 1.4 | .7 | .8 | | | | | | 7.0 | 10.2 |
| WNW | .1 | .4 | .6 | .2 | .1 | .1 | | | | | | 1.8 | 10.1 |
| NW | .1 | .4 | .1 | .1 | | .1 | | | | | | .9 | 8.7 |
| NNW | .2 | .8 | 1.1 | .1 | | | | | | | | 1.9 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.2 | |
| | 12.3 | 33.5 | 22.5 | 10.6 | 4.7 | 2.2 | .7 | .2 | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 1393

DATA PROCESSING BRANCH-
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34056
STATION

SEMBACH AB GERMANY
STATION NAME

33-67

DEC

ALL WEATHER
CLASS

2100-2300

CONDITION

| SPEED
KNTS
DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | 2 | 7 | 1.5 | 1 | | | | | | | | 2.6 | 7.3 |
| NNE | 6 | 10 | 4 | 1 | | | | | | | | 2.2 | 4.9 |
| NE | 6 | 22 | 1.4 | 9 | 1 | | | | | | | 8.1 | 3.9 |
| ENE | 8 | 9 | 2.4 | 6 | 1 | | | | | | | 7.3 | 6.3 |
| E | 10 | 26 | 1.1 | 3 | 1 | | | | | | | 3.1 | 3.9 |
| ESE | 2 | 5 | 4 | 2 | | | | | | | | 1.3 | 6.3 |
| SE | 4 | 2 | 4 | | | | | | | | | .9 | 3.7 |
| SSE | 8 | 9 | | | | | | | | | | 1.1 | 3.1 |
| S | 12 | 9 | 1.1 | 2 | | | | | | | | 3.3 | 3.7 |
| SSW | 5 | 1 | 1.4 | 10 | 1 | | | | | | | 4.2 | 3.3 |
| SW | 12 | 8 | 4.9 | 6.7 | 2.1 | 1.1 | 2 | 1 | | | | 20.9 | 11.6 |
| WSW | 6 | 22 | 3.3 | 5.4 | 1.6 | 9 | 4 | | | | | 19.4 | 12.2 |
| W | 10 | 16 | 2.3 | 1.3 | 4 | 2 | | | | | | 7.4 | 9.2 |
| WNW | 2 | 1 | 4 | 1 | 2 | | | | | | | 1.1 | 9.2 |
| NW | 6 | 7 | 2 | | 1 | | | | | | | 1.1 | 6.1 |
| NNW | 4 | 2 | 2 | 2 | | | | | | | | 1.1 | 6.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.2 | |
| | 11.4 | 23.3 | 21.9 | 17.3 | 3.1 | 2.3 | .9 | 1 | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS

1893

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34050
STATION

SEMDACH AB GERMANY
STATION NAME

23-72
YEAR

ALL
MONTH

INSTRUMENT
CLASS

ALL
NUMBER

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,
CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

| SP. ET
KNTS
DIR | 3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN
WIND
SPEED |
|-----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N | 0.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | | | | | | 3.4 | 0.1 |
| NNE | 0.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | | | | | | 2.6 | 2.2 |
| NE | 1.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | | | | | | 9.7 | 0.2 |
| ENE | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 6.6 | 0.2 |
| E | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 4.2 | 3.0 |
| ESE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 4.8 | 2.4 |
| SE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 7.7 | 4.5 |
| SSE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 1.9 | 4.1 |
| S | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | 2.0 | 4.0 |
| SSW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | 3.9 | 7.1 |
| SW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | 17.2 | 10.6 |
| WSW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | 13.5 | 10.0 |
| W | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | 7.2 | 0.9 |
| WNW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | 1.0 | 0.3 |
| NW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | 1.4 | 0.2 |
| NNW | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | 2.0 | 0.6 |
| VARBL | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.9 | 4.3 |
| CALM | | | | | | | | | | | | 20.9 | |
| | 12.0 | 24.0 | 22.2 | 18.7 | 2.0 | 1.8 | 2.1 | 0.0 | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 37862

U. S. AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 10 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1947. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1947 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1947 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

| CEILING
(FEET) | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|------|-------|------|-------|-------|------|------|-------|------|-------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.0 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | 91.0 | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | 97.4 | | | | | | 98.1 |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | 95.4 | | 96.9 | | | 98.3 | | | | | | 100.0 |

- EXAMPLE # 1** Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.
- EXAMPLE # 2** Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.
- EXAMPLE # 3** To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

1

53-72

ALL

ALL

TOTAL NUMBER OF OBSERVATIONS

145090

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34036 SEMBACH AB GERMANY

34-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 9.0 | 12.2 | 14.0 | 17.1 | 18.4 | 20.4 | 21.3 | 21.9 | 22.7 | 23.1 | 23.2 | 23.3 | 23.5 | 23.6 | 24.0 |
| 11.4 | 14.4 | 17.1 | 20.0 | 21.5 | 23.6 | 24.6 | 25.3 | 26.2 | 26.8 | 26.9 | 27.0 | 27.2 | 27.3 | 27.7 |
| 11.4 | 14.4 | 17.1 | 20.0 | 21.5 | 23.7 | 24.7 | 25.4 | 26.3 | 26.8 | 26.9 | 27.1 | 27.3 | 27.4 | 27.8 |
| 11.4 | 14.5 | 17.1 | 20.0 | 21.5 | 23.7 | 24.7 | 25.4 | 26.3 | 26.8 | 27.0 | 27.1 | 27.4 | 27.4 | 27.8 |
| 11.6 | 14.6 | 17.2 | 20.2 | 21.7 | 23.9 | 24.9 | 25.6 | 26.5 | 27.0 | 27.2 | 27.3 | 27.6 | 27.6 | 28.0 |
| 12.0 | 15.0 | 17.7 | 20.7 | 22.2 | 24.4 | 25.4 | 26.1 | 27.1 | 27.6 | 27.7 | 27.9 | 28.1 | 28.2 | 28.6 |
| 12.6 | 15.6 | 18.4 | 21.4 | 23.0 | 25.2 | 26.4 | 27.1 | 28.0 | 28.6 | 28.7 | 28.9 | 29.1 | 29.2 | 29.6 |
| 13.1 | 16.4 | 19.1 | 22.4 | 23.9 | 26.4 | 27.5 | 28.3 | 29.2 | 29.8 | 29.9 | 30.1 | 30.3 | 30.4 | 30.8 |
| 13.9 | 17.3 | 20.3 | 23.7 | 25.4 | 28.0 | 29.1 | 29.9 | 30.9 | 31.3 | 31.6 | 31.8 | 32.1 | 32.1 | 32.5 |
| 14.9 | 18.4 | 21.6 | 25.2 | 26.9 | 29.6 | 30.8 | 31.6 | 32.6 | 33.2 | 33.4 | 33.6 | 33.9 | 33.9 | 34.4 |
| 15.8 | 19.4 | 22.7 | 26.3 | 28.3 | 31.0 | 32.2 | 33.1 | 34.1 | 34.8 | 35.0 | 35.2 | 35.5 | 35.5 | 36.0 |
| 16.7 | 20.4 | 23.9 | 27.8 | 29.7 | 32.5 | 33.9 | 34.8 | 35.9 | 36.6 | 36.8 | 37.0 | 37.3 | 37.4 | 37.8 |
| 17.1 | 20.9 | 24.5 | 28.4 | 30.3 | 33.2 | 34.6 | 35.6 | 36.6 | 37.3 | 37.6 | 37.8 | 38.1 | 38.1 | 38.6 |
| 17.9 | 21.9 | 25.7 | 29.7 | 31.8 | 34.7 | 36.2 | 37.2 | 38.3 | 39.0 | 39.3 | 39.5 | 39.8 | 39.9 | 40.3 |
| 19.1 | 23.3 | 27.3 | 31.3 | 33.6 | 36.6 | 38.0 | 39.1 | 40.2 | 41.0 | 41.2 | 41.3 | 41.8 | 41.8 | 42.3 |
| 20.7 | 25.2 | 29.6 | 34.1 | 36.4 | 39.6 | 41.2 | 42.2 | 43.4 | 44.2 | 44.5 | 44.8 | 45.1 | 45.2 | 45.6 |
| 22.6 | 27.3 | 32.1 | 37.0 | 39.4 | 42.8 | 44.4 | 45.3 | 46.7 | 47.3 | 47.9 | 48.1 | 48.3 | 48.3 | 49.0 |
| 24.9 | 30.6 | 36.0 | 41.3 | 44.1 | 47.8 | 49.6 | 50.7 | 52.0 | 52.9 | 53.2 | 53.3 | 53.8 | 53.9 | 54.4 |
| 25.8 | 31.8 | 37.4 | 43.0 | 45.8 | 49.7 | 51.3 | 52.7 | 54.1 | 55.0 | 55.3 | 55.6 | 55.9 | 56.0 | 56.4 |
| 27.4 | 34.0 | 40.1 | 46.2 | 49.4 | 53.6 | 55.6 | 56.9 | 58.3 | 59.3 | 59.6 | 59.9 | 60.3 | 60.3 | 60.8 |
| 29.6 | 36.8 | 43.7 | 50.3 | 54.0 | 58.8 | 60.9 | 62.2 | 63.8 | 64.9 | 65.3 | 65.6 | 65.9 | 66.0 | 66.5 |
| 30.6 | 38.4 | 45.9 | 53.4 | 57.3 | 62.4 | 64.7 | 66.2 | 67.9 | 69.1 | 69.5 | 69.8 | 70.2 | 70.2 | 70.7 |
| 31.0 | 39.1 | 47.3 | 55.2 | 59.3 | 64.7 | 67.2 | 68.8 | 70.6 | 71.9 | 72.3 | 72.6 | 73.0 | 73.1 | 73.6 |
| 31.5 | 40.1 | 49.1 | 57.3 | 61.9 | 67.8 | 70.6 | 72.3 | 74.4 | 75.9 | 76.3 | 76.6 | 77.0 | 77.1 | 77.6 |
| 31.9 | 40.7 | 50.3 | 59.2 | 64.0 | 70.3 | 73.2 | 75.0 | 77.3 | 79.0 | 79.4 | 79.7 | 80.2 | 80.3 | 80.8 |
| 32.0 | 41.1 | 51.0 | 60.3 | 65.4 | 72.0 | 75.3 | 77.3 | 80.1 | 82.0 | 82.3 | 82.9 | 83.4 | 83.4 | 83.9 |
| 32.1 | 41.3 | 51.8 | 61.2 | 66.6 | 73.8 | 77.6 | 79.8 | 82.8 | 85.0 | 85.6 | 86.1 | 86.7 | 86.7 | 87.3 |
| 32.1 | 41.4 | 51.6 | 61.6 | 67.3 | 75.0 | 79.3 | 81.9 | 85.3 | 87.8 | 88.3 | 89.1 | 89.9 | 90.0 | 90.3 |
| 32.1 | 41.4 | 51.7 | 61.7 | 67.6 | 75.6 | 80.3 | 83.1 | 87.0 | 90.1 | 91.1 | 92.0 | 93.2 | 93.3 | 94.1 |
| 32.1 | 41.4 | 51.7 | 61.7 | 67.7 | 75.9 | 80.8 | 83.8 | 87.9 | 91.3 | 92.8 | 94.1 | 95.9 | 96.1 | 97.3 |
| 32.1 | 41.4 | 51.7 | 61.7 | 67.7 | 75.9 | 80.8 | 83.8 | 88.0 | 91.6 | 93.1 | 94.3 | 96.8 | 96.8 | 98.2 |
| 32.1 | 41.4 | 51.7 | 61.7 | 67.7 | 75.9 | 80.8 | 83.8 | 88.0 | 91.6 | 93.1 | 94.3 | 96.8 | 96.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

12013

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.4 | 15.0 | 17.5 | 20.7 | 22.4 | 25.0 | 26.0 | 26.8 | 28.1 | 28.9 | 29.1 | 29.3 | 29.5 | 29.5 | 29.5 | 30.0 |
| 15.5 | 18.6 | 21.5 | 25.3 | 27.3 | 30.2 | 31.4 | 32.2 | 33.8 | 34.6 | 34.6 | 35.1 | 35.2 | 35.3 | 35.3 | 35.8 |
| 15.6 | 18.6 | 21.6 | 25.4 | 27.4 | 30.3 | 31.4 | 32.3 | 33.9 | 34.7 | 34.9 | 35.2 | 35.4 | 35.4 | 35.4 | 35.9 |
| 15.7 | 18.7 | 21.7 | 25.5 | 27.6 | 30.4 | 31.6 | 32.5 | 34.0 | 34.9 | 35.1 | 35.3 | 35.3 | 35.3 | 35.3 | 36.1 |
| 15.9 | 19.0 | 22.0 | 25.8 | 27.8 | 30.7 | 31.9 | 32.8 | 34.3 | 35.1 | 35.4 | 35.6 | 35.8 | 35.8 | 35.8 | 36.4 |
| 16.3 | 19.4 | 22.5 | 26.4 | 28.5 | 31.4 | 32.6 | 33.5 | 35.0 | 35.9 | 36.1 | 36.3 | 36.3 | 36.3 | 36.3 | 37.1 |
| 16.9 | 20.2 | 23.3 | 27.4 | 29.5 | 32.5 | 33.8 | 34.7 | 36.4 | 37.3 | 37.5 | 37.7 | 37.9 | 37.9 | 37.9 | 38.5 |
| 17.5 | 20.8 | 24.0 | 28.3 | 30.4 | 33.7 | 35.0 | 35.9 | 37.7 | 38.7 | 38.9 | 39.1 | 39.4 | 39.4 | 39.4 | 40.0 |
| 18.7 | 22.1 | 25.6 | 29.9 | 32.1 | 35.5 | 37.1 | 38.1 | 40.0 | 41.0 | 41.2 | 41.5 | 41.7 | 41.7 | 41.7 | 42.3 |
| 19.9 | 23.5 | 27.2 | 31.9 | 34.4 | 37.9 | 39.6 | 40.7 | 42.6 | 43.7 | 43.9 | 44.2 | 44.4 | 44.5 | 44.5 | 45.1 |
| 21.1 | 24.8 | 28.7 | 33.6 | 36.2 | 39.8 | 41.5 | 42.6 | 44.6 | 45.7 | 45.9 | 46.2 | 46.4 | 46.4 | 46.4 | 47.0 |
| 22.4 | 26.2 | 30.3 | 35.3 | 38.0 | 41.7 | 43.5 | 44.6 | 46.6 | 47.7 | 48.0 | 48.3 | 48.5 | 48.6 | 48.6 | 49.2 |
| 23.1 | 27.0 | 31.2 | 36.3 | 39.1 | 42.8 | 44.6 | 45.8 | 47.8 | 48.9 | 49.2 | 49.5 | 49.8 | 49.8 | 49.8 | 50.4 |
| 24.2 | 28.3 | 32.7 | 38.0 | 40.7 | 44.6 | 46.5 | 47.6 | 49.7 | 50.8 | 51.2 | 51.5 | 51.8 | 51.8 | 51.8 | 52.4 |
| 25.6 | 29.8 | 34.5 | 40.1 | 43.0 | 46.9 | 48.9 | 50.1 | 52.2 | 53.3 | 53.7 | 54.0 | 54.3 | 54.3 | 54.3 | 55.0 |
| 27.7 | 32.3 | 37.4 | 43.5 | 46.5 | 50.6 | 52.5 | 53.8 | 56.0 | 57.2 | 57.6 | 58.0 | 58.2 | 58.3 | 58.3 | 58.9 |
| 29.4 | 34.6 | 40.0 | 46.6 | 49.7 | 54.0 | 56.0 | 57.4 | 59.8 | 60.9 | 61.3 | 61.7 | 62.0 | 62.0 | 62.0 | 62.7 |
| 31.8 | 37.3 | 43.3 | 50.6 | 53.9 | 58.5 | 60.8 | 62.2 | 64.8 | 65.8 | 66.2 | 66.6 | 66.9 | 66.9 | 66.9 | 67.5 |
| 32.4 | 38.5 | 44.8 | 52.3 | 55.8 | 60.5 | 62.8 | 64.3 | 66.6 | 67.9 | 68.3 | 68.8 | 69.1 | 69.1 | 69.1 | 69.7 |
| 34.0 | 40.6 | 47.4 | 55.3 | 58.8 | 63.9 | 66.4 | 67.9 | 70.4 | 71.8 | 72.2 | 72.6 | 72.9 | 73.0 | 73.0 | 73.6 |
| 35.5 | 42.9 | 50.5 | 59.1 | 62.9 | 68.3 | 71.2 | 72.9 | 75.6 | 77.1 | 77.6 | 78.0 | 78.3 | 78.4 | 78.4 | 79.0 |
| 36.1 | 44.0 | 52.1 | 61.3 | 65.3 | 71.0 | 74.1 | 75.9 | 78.9 | 80.4 | 80.9 | 81.4 | 81.7 | 81.8 | 81.8 | 82.4 |
| 36.5 | 44.5 | 52.8 | 62.3 | 66.3 | 72.3 | 75.8 | 77.6 | 80.8 | 82.4 | 82.8 | 83.3 | 83.7 | 83.7 | 83.7 | 84.4 |
| 36.7 | 45.1 | 53.9 | 62.9 | 68.3 | 74.6 | 78.1 | 80.2 | 83.5 | 85.3 | 85.8 | 86.3 | 86.7 | 86.7 | 86.7 | 87.4 |
| 36.9 | 45.5 | 54.5 | 64.9 | 69.4 | 76.0 | 79.7 | 81.8 | 85.4 | 87.4 | 87.9 | 88.4 | 88.9 | 88.9 | 88.9 | 89.6 |
| 36.9 | 45.6 | 54.7 | 65.3 | 70.0 | 76.8 | 80.6 | 82.9 | 86.7 | 88.8 | 89.4 | 90.0 | 90.5 | 90.5 | 90.5 | 91.2 |
| 37.0 | 45.7 | 55.0 | 65.8 | 70.6 | 77.7 | 81.7 | 84.2 | 88.2 | 90.6 | 91.3 | 91.9 | 92.4 | 92.5 | 92.5 | 93.2 |
| 37.0 | 45.8 | 55.1 | 66.0 | 71.0 | 78.5 | 82.9 | 85.5 | 89.8 | 92.4 | 93.2 | 93.9 | 94.5 | 94.5 | 94.5 | 95.3 |
| 37.0 | 45.8 | 55.1 | 66.1 | 71.2 | 79.0 | 83.6 | 86.2 | 90.8 | 93.7 | 94.6 | 95.4 | 96.1 | 96.2 | 96.2 | 97.0 |
| 37.0 | 45.8 | 55.1 | 66.1 | 71.2 | 79.0 | 83.6 | 86.4 | 91.1 | 94.2 | 95.2 | 96.2 | 97.3 | 97.4 | 97.4 | 98.0 |
| 37.0 | 45.8 | 55.1 | 66.1 | 71.2 | 79.0 | 83.6 | 86.4 | 91.1 | 94.2 | 95.2 | 96.2 | 97.3 | 97.5 | 97.5 | 98.0 |

TOTAL NUMBER OF OBSERVATIONS

10837

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

3472

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 20.0 | 23.7 | 27.3 | 30.6 | 31.9 | 33.3 | 34.0 | 34.3 | 34.8 | 35.0 | 35.1 | 35.1 | 35.3 | 35.3 | 35.5 |
| 24.6 | 28.9 | 33.1 | 36.8 | 38.3 | 39.9 | 40.6 | 41.0 | 41.3 | 41.7 | 41.8 | 41.9 | 42.0 | 42.1 | 42.2 |
| 24.6 | 28.9 | 33.1 | 36.8 | 38.3 | 39.9 | 40.7 | 41.0 | 41.8 | 41.8 | 41.8 | 41.9 | 42.1 | 42.1 | 42.3 |
| 24.7 | 29.0 | 33.2 | 36.9 | 38.4 | 40.0 | 40.8 | 41.1 | 41.6 | 41.9 | 41.9 | 42.0 | 42.1 | 42.2 | 42.4 |
| 25.0 | 29.3 | 33.6 | 37.3 | 38.8 | 40.4 | 41.2 | 41.6 | 42.1 | 42.4 | 42.4 | 42.8 | 42.6 | 42.7 | 42.9 |
| 25.4 | 29.9 | 34.1 | 38.0 | 39.8 | 41.1 | 41.9 | 42.3 | 42.8 | 43.1 | 43.1 | 43.2 | 43.4 | 43.4 | 43.6 |
| 26.6 | 31.2 | 35.5 | 39.5 | 41.1 | 42.7 | 43.5 | 43.9 | 44.4 | 44.7 | 44.8 | 44.9 | 45.0 | 45.1 | 45.3 |
| 27.4 | 32.0 | 36.5 | 40.6 | 42.2 | 44.0 | 44.8 | 45.2 | 45.8 | 46.1 | 46.2 | 46.2 | 46.4 | 46.4 | 46.6 |
| 29.0 | 33.9 | 38.4 | 42.6 | 44.3 | 46.1 | 47.0 | 47.4 | 48.0 | 48.3 | 48.4 | 48.5 | 48.6 | 48.7 | 48.9 |
| 30.8 | 36.0 | 40.7 | 45.2 | 47.0 | 49.1 | 50.0 | 50.8 | 51.1 | 51.3 | 51.6 | 51.6 | 51.8 | 51.8 | 52.1 |
| 32.0 | 37.4 | 42.4 | 47.2 | 49.1 | 51.2 | 52.2 | 52.7 | 53.3 | 53.7 | 53.8 | 53.8 | 54.0 | 54.0 | 54.3 |
| 33.6 | 39.4 | 44.6 | 49.6 | 51.7 | 53.8 | 54.9 | 55.4 | 56.0 | 56.4 | 56.5 | 56.6 | 56.8 | 56.8 | 57.1 |
| 34.6 | 40.3 | 45.9 | 51.1 | 53.2 | 55.6 | 56.6 | 57.2 | 57.8 | 58.2 | 58.3 | 58.4 | 58.6 | 58.6 | 59.0 |
| 36.4 | 42.6 | 48.5 | 53.9 | 56.1 | 58.6 | 59.8 | 60.4 | 61.0 | 61.4 | 61.5 | 61.6 | 61.8 | 61.9 | 62.2 |
| 38.3 | 44.9 | 51.2 | 56.8 | 59.2 | 61.8 | 63.0 | 63.7 | 64.3 | 64.7 | 64.8 | 64.9 | 65.1 | 65.1 | 65.3 |
| 40.8 | 48.0 | 54.8 | 60.8 | 63.4 | 66.1 | 67.4 | 68.1 | 68.8 | 69.2 | 69.3 | 69.4 | 69.6 | 69.6 | 69.9 |
| 43.4 | 51.1 | 58.4 | 65.0 | 67.8 | 70.6 | 72.0 | 72.7 | 73.3 | 73.9 | 74.0 | 74.1 | 74.3 | 74.3 | 74.6 |
| 46.1 | 54.3 | 62.5 | 69.3 | 72.4 | 75.4 | 76.9 | 77.6 | 78.4 | 78.9 | 79.0 | 79.1 | 79.3 | 79.3 | 79.7 |
| 48.8 | 58.4 | 68.7 | 71.0 | 74.0 | 77.1 | 78.6 | 79.4 | 80.2 | 80.7 | 80.8 | 80.9 | 81.1 | 81.1 | 81.4 |
| 48.1 | 57.3 | 66.0 | 73.6 | 76.9 | 80.0 | 81.6 | 82.4 | 83.3 | 83.8 | 83.9 | 84.0 | 84.2 | 84.2 | 84.6 |
| 49.4 | 59.4 | 68.9 | 77.0 | 80.3 | 84.0 | 85.7 | 86.3 | 87.3 | 88.0 | 88.2 | 88.3 | 88.5 | 88.5 | 88.9 |
| 49.9 | 60.2 | 69.9 | 78.4 | 82.1 | 85.8 | 87.6 | 88.3 | 89.3 | 90.1 | 90.2 | 90.4 | 90.6 | 90.6 | 90.9 |
| 50.1 | 60.5 | 70.7 | 79.4 | 83.2 | 87.0 | 88.9 | 89.9 | 91.0 | 91.6 | 91.7 | 91.9 | 92.1 | 92.1 | 92.3 |
| 50.3 | 61.0 | 71.5 | 80.6 | 84.5 | 88.6 | 90.6 | 91.6 | 92.8 | 93.4 | 93.6 | 93.7 | 93.9 | 94.0 | 94.3 |
| 50.5 | 61.2 | 72.0 | 81.4 | 85.3 | 89.8 | 91.9 | 92.9 | 94.2 | 94.9 | 95.0 | 95.2 | 95.4 | 95.5 | 95.8 |
| 50.5 | 61.4 | 72.3 | 81.8 | 86.0 | 90.3 | 92.7 | 93.7 | 95.1 | 95.8 | 96.0 | 96.2 | 96.4 | 96.4 | 96.8 |
| 50.5 | 61.4 | 72.3 | 82.1 | 86.4 | 91.0 | 93.3 | 94.4 | 95.8 | 96.7 | 96.9 | 97.1 | 97.4 | 97.4 | 97.8 |
| 50.5 | 61.5 | 72.5 | 82.2 | 86.5 | 91.2 | 93.5 | 94.7 | 96.3 | 97.2 | 97.3 | 97.5 | 98.1 | 98.1 | 98.4 |
| 50.5 | 61.5 | 72.5 | 82.2 | 86.5 | 91.3 | 93.7 | 95.0 | 96.4 | 97.7 | 98.1 | 98.3 | 98.7 | 98.8 | 99.1 |
| 50.5 | 61.5 | 72.5 | 82.2 | 86.5 | 91.3 | 93.8 | 95.0 | 96.8 | 98.0 | 98.2 | 98.6 | 99.1 | 99.1 | 99.6 |
| 50.5 | 61.5 | 72.5 | 82.2 | 86.5 | 91.3 | 93.8 | 95.0 | 96.8 | 98.0 | 98.4 | 98.6 | 99.2 | 99.2 | 99.8 |
| 50.5 | 61.5 | 72.5 | 82.2 | 86.5 | 91.3 | 93.8 | 95.0 | 96.8 | 98.0 | 98.4 | 98.7 | 99.2 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

12100

CEILING VERSUS VISIBILITY

84-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 29.5 | 31.3 | 33.3 | 34.9 | 35.4 | 35.9 | 36.2 | 36.4 | 36.5 | 36.6 | 36.7 | 36.7 | 36.8 | 36.8 | 36.9 |
| 36.1 | 38.5 | 40.9 | 42.9 | 43.4 | 44.1 | 44.4 | 44.6 | 44.8 | 44.9 | 45.0 | 45.0 | 45.1 | 45.1 | 45.2 |
| 36.1 | 38.5 | 40.9 | 43.0 | 43.5 | 44.1 | 44.4 | 44.8 | 44.8 | 45.0 | 45.0 | 45.1 | 45.1 | 45.2 | 45.3 |
| 36.2 | 38.6 | 41.0 | 43.0 | 43.6 | 44.2 | 44.5 | 44.7 | 44.9 | 45.0 | 45.1 | 45.1 | 45.2 | 45.2 | 45.4 |
| 36.4 | 38.8 | 41.2 | 43.3 | 43.8 | 44.4 | 44.7 | 45.0 | 45.1 | 45.3 | 45.3 | 45.4 | 45.4 | 45.5 | 45.6 |
| 37.3 | 39.8 | 42.3 | 44.3 | 44.8 | 45.5 | 45.8 | 46.0 | 46.2 | 46.3 | 46.4 | 46.4 | 46.5 | 46.5 | 46.7 |
| 38.6 | 41.3 | 43.9 | 46.1 | 46.6 | 47.3 | 47.7 | 47.9 | 48.1 | 48.2 | 48.3 | 48.3 | 48.4 | 48.4 | 48.6 |
| 39.7 | 42.5 | 45.1 | 47.3 | 47.8 | 48.6 | 49.0 | 49.2 | 49.4 | 49.5 | 49.6 | 49.6 | 49.7 | 49.7 | 49.9 |
| 42.1 | 45.0 | 47.9 | 50.4 | 51.0 | 51.8 | 52.2 | 52.5 | 52.6 | 52.8 | 52.9 | 52.9 | 53.0 | 53.0 | 53.2 |
| 45.2 | 48.4 | 51.5 | 54.1 | 54.9 | 55.7 | 56.1 | 56.4 | 56.6 | 56.8 | 56.8 | 56.9 | 57.0 | 57.0 | 57.2 |
| 47.8 | 51.4 | 54.7 | 57.4 | 58.2 | 59.2 | 59.6 | 59.9 | 60.1 | 60.3 | 60.4 | 60.4 | 60.5 | 60.5 | 60.8 |
| 50.0 | 53.8 | 57.4 | 60.2 | 61.1 | 62.1 | 62.6 | 62.9 | 63.1 | 63.3 | 63.4 | 63.4 | 63.5 | 63.5 | 63.8 |
| 51.5 | 55.4 | 59.2 | 62.1 | 63.1 | 64.1 | 64.5 | 64.9 | 65.1 | 65.3 | 65.4 | 65.4 | 65.5 | 65.5 | 65.8 |
| 52.9 | 58.1 | 62.0 | 65.2 | 66.2 | 67.2 | 67.8 | 68.2 | 68.4 | 68.7 | 68.7 | 68.8 | 68.9 | 68.9 | 69.2 |
| 56.1 | 60.1 | 64.6 | 68.0 | 69.1 | 70.3 | 70.8 | 71.1 | 71.4 | 71.7 | 71.8 | 71.8 | 71.9 | 71.9 | 72.2 |
| 59.3 | 64.0 | 68.7 | 72.2 | 73.5 | 74.8 | 75.3 | 75.7 | 76.0 | 76.3 | 76.4 | 76.4 | 76.5 | 76.6 | 76.9 |
| 62.1 | 67.2 | 72.1 | 75.8 | 77.1 | 78.5 | 79.1 | 79.5 | 79.8 | 80.1 | 80.2 | 80.3 | 80.4 | 80.4 | 80.7 |
| 64.4 | 69.8 | 75.1 | 79.1 | 80.6 | 82.0 | 82.6 | 82.9 | 83.4 | 83.7 | 83.8 | 83.8 | 83.9 | 83.9 | 84.3 |
| 65.2 | 70.9 | 76.3 | 80.6 | 82.1 | 83.6 | 84.2 | 84.6 | 85.0 | 85.3 | 85.4 | 85.4 | 85.5 | 85.6 | 85.9 |
| 66.8 | 72.9 | 78.9 | 83.2 | 84.9 | 86.5 | 87.1 | 87.6 | 88.0 | 88.3 | 88.4 | 88.4 | 88.5 | 88.6 | 88.9 |
| 68.4 | 75.1 | 81.6 | 86.3 | 88.1 | 89.9 | 90.5 | 91.1 | 91.4 | 91.7 | 91.9 | 91.9 | 92.0 | 92.0 | 92.4 |
| 68.9 | 76.1 | 82.0 | 86.1 | 90.0 | 91.9 | 92.6 | 92.1 | 92.4 | 92.8 | 93.9 | 94.0 | 94.1 | 94.1 | 94.4 |
| 69.1 | 76.4 | 82.5 | 86.6 | 90.7 | 92.8 | 93.5 | 94.0 | 94.4 | 94.7 | 94.8 | 94.9 | 95.0 | 95.0 | 95.3 |
| 69.2 | 76.6 | 82.8 | 89.2 | 91.4 | 93.6 | 94.4 | 95.0 | 95.4 | 95.7 | 95.8 | 95.9 | 96.0 | 96.0 | 96.4 |
| 69.3 | 76.7 | 84.1 | 89.7 | 92.0 | 94.4 | 95.3 | 95.9 | 96.3 | 96.7 | 96.8 | 96.8 | 96.9 | 97.0 | 97.3 |
| 69.3 | 76.8 | 84.2 | 89.9 | 92.2 | 94.8 | 95.8 | 96.5 | 96.9 | 97.3 | 97.4 | 97.5 | 97.6 | 97.6 | 98.0 |
| 69.3 | 76.8 | 84.3 | 90.0 | 92.4 | 95.2 | 96.3 | 97.0 | 97.6 | 98.0 | 98.1 | 98.2 | 98.3 | 98.3 | 98.7 |
| 69.3 | 76.8 | 84.3 | 90.1 | 92.6 | 95.4 | 96.6 | 97.4 | 98.0 | 98.5 | 98.6 | 98.7 | 98.8 | 98.9 | 99.2 |
| 69.3 | 76.8 | 84.3 | 90.1 | 92.6 | 95.5 | 96.7 | 97.5 | 98.2 | 98.7 | 98.8 | 98.9 | 99.1 | 99.1 | 99.6 |
| 69.3 | 76.8 | 84.3 | 90.1 | 92.6 | 95.5 | 96.7 | 97.5 | 98.2 | 98.8 | 99.0 | 99.0 | 99.2 | 99.2 | 99.7 |
| 69.3 | 76.8 | 84.3 | 90.1 | 92.6 | 95.5 | 96.7 | 97.5 | 98.2 | 98.8 | 99.0 | 99.0 | 99.3 | 99.3 | 99.8 |
| 69.3 | 76.8 | 84.3 | 90.1 | 92.6 | 95.5 | 96.7 | 97.5 | 98.2 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

11022

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

54072

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 32.2 | 34.3 | 35.5 | 36.3 | 36.7 | 37.2 | 37.3 | 37.4 | 37.5 | 37.6 | 37.6 | 37.7 | 37.8 | 37.8 | 38.0 |
| 40.9 | 43.3 | 44.8 | 45.8 | 46.2 | 46.8 | 46.9 | 47.0 | 47.2 | 47.3 | 47.4 | 47.5 | 47.5 | 47.5 | 47.8 |
| 40.9 | 43.3 | 44.8 | 45.8 | 46.3 | 46.8 | 47.0 | 47.1 | 47.2 | 47.4 | 47.4 | 47.5 | 47.6 | 47.6 | 47.9 |
| 41.0 | 43.4 | 44.9 | 45.9 | 46.3 | 46.9 | 47.0 | 47.1 | 47.3 | 47.4 | 47.5 | 47.6 | 47.6 | 47.6 | 47.9 |
| 41.1 | 43.5 | 45.0 | 46.0 | 46.5 | 47.1 | 47.2 | 47.3 | 47.5 | 47.6 | 47.6 | 47.7 | 47.8 | 47.8 | 48.1 |
| 42.0 | 44.4 | 45.9 | 47.0 | 47.4 | 48.0 | 48.1 | 48.3 | 48.4 | 48.6 | 48.6 | 48.7 | 48.7 | 48.7 | 49.0 |
| 43.4 | 46.0 | 47.5 | 48.6 | 49.1 | 49.7 | 49.8 | 49.9 | 50.1 | 50.3 | 50.3 | 50.4 | 50.5 | 50.5 | 50.8 |
| 45.3 | 48.0 | 49.7 | 50.8 | 51.3 | 51.9 | 52.0 | 52.2 | 52.3 | 52.5 | 52.5 | 52.6 | 52.7 | 52.7 | 53.0 |
| 49.0 | 52.0 | 53.9 | 55.1 | 55.6 | 56.3 | 56.5 | 56.6 | 56.7 | 56.9 | 57.0 | 57.1 | 57.2 | 57.2 | 57.5 |
| 53.2 | 56.6 | 59.0 | 60.5 | 61.0 | 61.8 | 62.0 | 62.1 | 62.3 | 62.5 | 62.6 | 62.7 | 62.8 | 62.8 | 63.1 |
| 56.2 | 59.9 | 62.4 | 64.1 | 64.6 | 65.3 | 65.6 | 65.7 | 65.9 | 66.1 | 66.2 | 66.3 | 66.4 | 66.4 | 66.8 |
| 59.1 | 63.1 | 65.9 | 67.8 | 68.4 | 69.3 | 69.5 | 69.7 | 69.9 | 70.1 | 70.2 | 70.3 | 70.4 | 70.4 | 70.8 |
| 60.7 | 64.9 | 67.9 | 69.9 | 70.5 | 71.4 | 71.6 | 71.8 | 72.0 | 72.2 | 72.3 | 72.4 | 72.5 | 72.5 | 72.9 |
| 63.3 | 67.7 | 70.9 | 73.1 | 73.7 | 74.6 | 74.9 | 75.1 | 75.3 | 75.6 | 75.6 | 75.7 | 75.8 | 75.9 | 76.2 |
| 65.8 | 70.4 | 73.8 | 76.1 | 76.8 | 77.7 | 78.0 | 78.1 | 78.4 | 78.6 | 78.7 | 78.8 | 78.9 | 78.9 | 79.3 |
| 69.1 | 74.0 | 77.7 | 80.1 | 80.9 | 81.9 | 82.2 | 82.4 | 82.7 | 82.9 | 83.0 | 83.1 | 83.2 | 83.2 | 83.6 |
| 72.0 | 77.2 | 81.0 | 83.6 | 84.4 | 85.5 | 85.8 | 86.0 | 86.3 | 86.5 | 86.6 | 86.7 | 86.8 | 86.8 | 87.2 |
| 74.4 | 80.0 | 84.0 | 86.7 | 87.6 | 88.7 | 89.0 | 89.2 | 89.5 | 89.8 | 89.8 | 89.9 | 90.1 | 90.1 | 90.5 |
| 75.1 | 80.8 | 84.9 | 87.7 | 88.5 | 89.6 | 90.0 | 90.2 | 90.5 | 90.7 | 90.8 | 90.9 | 91.0 | 91.0 | 91.5 |
| 76.1 | 82.0 | 86.4 | 89.3 | 90.2 | 91.3 | 91.7 | 91.9 | 92.2 | 92.5 | 92.5 | 92.6 | 92.8 | 92.8 | 93.2 |
| 77.1 | 83.4 | 88.4 | 91.6 | 92.5 | 93.8 | 94.1 | 94.4 | 94.7 | 94.9 | 95.0 | 95.1 | 95.2 | 95.2 | 95.7 |
| 77.5 | 84.1 | 89.2 | 92.6 | 93.6 | 94.9 | 95.3 | 95.5 | 95.8 | 96.1 | 96.2 | 96.3 | 96.4 | 96.4 | 96.9 |
| 77.6 | 84.3 | 89.3 | 93.1 | 94.2 | 95.5 | 95.9 | 96.1 | 96.4 | 96.7 | 96.8 | 96.9 | 97.0 | 97.0 | 97.5 |
| 77.7 | 84.5 | 89.5 | 93.5 | 94.7 | 96.1 | 96.5 | 96.7 | 97.1 | 97.3 | 97.4 | 97.5 | 97.6 | 97.7 | 98.1 |
| 77.8 | 84.6 | 90.0 | 93.8 | 95.0 | 96.5 | 96.9 | 97.1 | 97.5 | 97.8 | 97.9 | 98.0 | 98.1 | 98.1 | 98.5 |
| 77.8 | 84.6 | 90.1 | 94.1 | 95.4 | 96.9 | 97.3 | 97.5 | 98.0 | 98.2 | 98.3 | 98.4 | 98.5 | 98.5 | 99.0 |
| 77.8 | 84.6 | 90.1 | 94.2 | 95.5 | 97.1 | 97.5 | 97.8 | 98.3 | 98.5 | 98.6 | 98.7 | 98.9 | 98.9 | 99.3 |
| 77.8 | 84.6 | 90.2 | 94.3 | 95.6 | 97.2 | 97.7 | 97.9 | 98.4 | 98.7 | 98.8 | 98.9 | 99.1 | 99.1 | 99.5 |
| 77.8 | 84.6 | 90.2 | 94.3 | 95.6 | 97.2 | 97.7 | 98.0 | 98.5 | 98.8 | 98.9 | 99.0 | 99.2 | 99.2 | 99.7 |
| 77.8 | 84.6 | 90.2 | 94.3 | 95.6 | 97.2 | 97.7 | 98.0 | 98.5 | 98.8 | 98.9 | 99.1 | 99.2 | 99.2 | 99.8 |
| 77.8 | 84.6 | 90.2 | 94.3 | 95.6 | 97.2 | 97.7 | 98.0 | 98.5 | 98.8 | 99.0 | 99.1 | 99.2 | 99.3 | 99.9 |
| 77.8 | 84.6 | 90.2 | 94.3 | 95.6 | 97.2 | 97.7 | 98.0 | 98.5 | 98.8 | 99.0 | 99.1 | 99.2 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

11988

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3A-72

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TOTAL NUMBER OF OBSERVATIONS

11650

1
DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 32.8 | 35.0 | 36.6 | 37.9 | 38.2 | 38.7 | 39.0 | 39.2 | 39.3 | 39.4 | 39.4 | 39.5 | 39.6 | 39.6 | 39.9 |
| 39.6 | 42.1 | 44.0 | 45.5 | 45.9 | 46.6 | 46.9 | 47.1 | 47.2 | 47.3 | 47.4 | 47.4 | 47.5 | 47.5 | 47.9 |
| 39.6 | 42.1 | 44.0 | 45.5 | 45.9 | 46.6 | 46.9 | 47.1 | 47.2 | 47.3 | 47.4 | 47.4 | 47.5 | 47.5 | 47.9 |
| 39.7 | 42.2 | 44.1 | 45.6 | 46.0 | 46.7 | 47.0 | 47.2 | 47.3 | 47.4 | 47.5 | 47.5 | 47.6 | 47.6 | 47.9 |
| 40.2 | 42.7 | 44.6 | 46.0 | 46.4 | 47.1 | 47.5 | 47.6 | 47.8 | 47.9 | 47.9 | 48.0 | 48.0 | 48.0 | 48.4 |
| 40.9 | 43.4 | 45.4 | 46.9 | 47.2 | 48.0 | 48.3 | 48.4 | 48.6 | 48.7 | 48.7 | 48.8 | 48.9 | 48.9 | 49.2 |
| 42.8 | 45.4 | 47.4 | 49.0 | 49.4 | 50.1 | 50.4 | 50.6 | 50.8 | 50.9 | 50.9 | 51.0 | 51.0 | 51.0 | 51.4 |
| 45.1 | 47.9 | 50.0 | 51.6 | 52.0 | 52.8 | 53.1 | 53.3 | 53.5 | 53.6 | 53.6 | 53.7 | 53.7 | 53.8 | 54.1 |
| 49.6 | 52.7 | 55.0 | 56.7 | 57.1 | 58.0 | 58.4 | 58.5 | 58.7 | 58.8 | 58.9 | 58.9 | 59.0 | 59.0 | 59.4 |
| 54.0 | 57.4 | 60.0 | 61.9 | 62.4 | 63.3 | 63.7 | 63.9 | 64.1 | 64.2 | 64.3 | 64.3 | 64.4 | 64.4 | 64.8 |
| 57.1 | 60.8 | 63.6 | 65.7 | 66.3 | 67.2 | 67.7 | 67.8 | 68.0 | 68.2 | 68.2 | 68.3 | 68.4 | 68.4 | 68.8 |
| 60.5 | 64.3 | 67.5 | 69.8 | 70.4 | 71.4 | 71.8 | 72.0 | 72.2 | 72.4 | 72.5 | 72.5 | 72.6 | 72.6 | 73.0 |
| 61.9 | 66.1 | 69.2 | 71.6 | 72.2 | 73.2 | 73.7 | 73.9 | 74.1 | 74.3 | 74.3 | 74.4 | 74.5 | 74.5 | 74.9 |
| 64.2 | 68.6 | 71.9 | 74.3 | 75.0 | 76.1 | 76.6 | 76.8 | 77.0 | 77.2 | 77.2 | 77.3 | 77.4 | 77.4 | 77.8 |
| 66.5 | 71.1 | 74.6 | 77.2 | 77.9 | 79.0 | 79.5 | 79.7 | 80.0 | 80.2 | 80.3 | 80.3 | 80.4 | 80.4 | 80.8 |
| 69.5 | 74.4 | 78.1 | 80.7 | 81.5 | 82.6 | 83.1 | 83.4 | 83.7 | 83.9 | 83.9 | 84.0 | 84.1 | 84.1 | 84.5 |
| 72.2 | 77.4 | 81.4 | 84.1 | 84.9 | 86.1 | 86.7 | 86.9 | 87.2 | 87.5 | 87.5 | 87.6 | 87.7 | 87.7 | 88.1 |
| 74.3 | 79.7 | 83.7 | 86.5 | 87.3 | 88.7 | 89.3 | 89.5 | 89.9 | 90.1 | 90.1 | 90.2 | 90.3 | 90.3 | 90.7 |
| 74.9 | 80.3 | 84.3 | 87.3 | 88.2 | 89.5 | 90.1 | 90.4 | 90.7 | 90.9 | 91.0 | 91.1 | 91.2 | 91.2 | 91.6 |
| 75.8 | 81.6 | 85.9 | 88.8 | 89.7 | 91.1 | 91.8 | 92.0 | 92.4 | 92.6 | 92.7 | 92.7 | 92.9 | 92.9 | 93.3 |
| 76.9 | 83.0 | 87.5 | 90.5 | 91.5 | 93.0 | 93.6 | 93.9 | 94.3 | 94.5 | 94.6 | 94.7 | 94.8 | 94.8 | 95.2 |
| 77.3 | 83.6 | 88.2 | 91.4 | 92.5 | 94.0 | 94.7 | 95.0 | 95.4 | 95.6 | 95.7 | 95.7 | 95.9 | 95.9 | 96.3 |
| 77.5 | 83.9 | 88.7 | 92.0 | 93.0 | 94.6 | 95.3 | 95.6 | 96.0 | 96.3 | 96.3 | 96.4 | 96.5 | 96.5 | 96.9 |
| 77.7 | 84.3 | 89.1 | 92.4 | 93.6 | 95.2 | 95.9 | 96.3 | 96.7 | 96.9 | 97.0 | 97.0 | 97.2 | 97.2 | 97.6 |
| 77.7 | 84.5 | 89.2 | 92.7 | 93.9 | 95.5 | 96.3 | 96.7 | 97.1 | 97.3 | 97.4 | 97.5 | 97.6 | 97.6 | 98.0 |
| 77.8 | 84.4 | 89.4 | 93.0 | 94.2 | 96.0 | 96.8 | 97.2 | 97.6 | 97.9 | 97.9 | 98.0 | 98.1 | 98.1 | 98.5 |
| 77.8 | 84.4 | 89.4 | 93.1 | 94.4 | 96.2 | 97.1 | 97.5 | 98.0 | 98.3 | 98.3 | 98.4 | 98.5 | 98.5 | 98.9 |
| 77.8 | 84.4 | 89.4 | 93.1 | 94.4 | 96.3 | 97.3 | 97.7 | 98.2 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 99.2 |
| 77.8 | 84.4 | 89.4 | 93.1 | 94.5 | 96.4 | 97.4 | 97.8 | 98.4 | 98.7 | 98.8 | 98.9 | 99.1 | 99.1 | 99.5 |
| 77.8 | 84.4 | 89.4 | 93.1 | 94.5 | 96.4 | 97.4 | 97.9 | 98.5 | 98.8 | 98.9 | 99.1 | 99.2 | 99.2 | 99.7 |
| 77.8 | 84.4 | 89.4 | 93.1 | 94.5 | 96.4 | 97.4 | 97.9 | 98.5 | 98.8 | 98.9 | 99.1 | 99.3 | 99.3 | 99.9 |
| 77.8 | 84.4 | 89.5 | 93.1 | 94.5 | 96.4 | 97.4 | 97.9 | 98.5 | 98.9 | 98.9 | 99.1 | 99.3 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

12917

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

52-72

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 30.4 | 32.8 | 34.8 | 35.9 | 36.3 | 36.9 | 37.2 | 37.4 | 37.8 | 38.0 | 38.1 | 38.2 | 38.3 | 38.4 | 38.9 |
| 37.9 | 41.0 | 43.1 | 44.3 | 44.8 | 45.5 | 45.9 | 46.1 | 46.3 | 46.8 | 46.9 | 47.0 | 47.1 | 47.2 | 47.8 |
| 38.0 | 41.1 | 43.2 | 44.4 | 44.8 | 45.6 | 46.0 | 46.2 | 46.6 | 46.9 | 46.9 | 47.0 | 47.2 | 47.3 | 47.9 |
| 38.1 | 41.2 | 43.4 | 44.6 | 45.0 | 45.7 | 46.2 | 46.4 | 46.7 | 47.0 | 47.1 | 47.2 | 47.4 | 47.5 | 48.0 |
| 38.3 | 41.7 | 43.8 | 45.1 | 45.5 | 46.2 | 46.6 | 46.9 | 47.2 | 47.5 | 47.6 | 47.7 | 47.9 | 47.9 | 48.5 |
| 39.8 | 43.1 | 45.2 | 46.5 | 46.9 | 47.6 | 48.1 | 48.3 | 48.7 | 49.0 | 49.0 | 49.1 | 49.3 | 49.4 | 50.0 |
| 42.0 | 45.3 | 47.6 | 48.9 | 49.3 | 50.1 | 50.6 | 50.8 | 51.2 | 51.5 | 51.6 | 51.7 | 51.9 | 52.0 | 52.5 |
| 44.9 | 48.4 | 50.8 | 52.3 | 52.8 | 53.6 | 54.1 | 54.4 | 54.8 | 55.1 | 55.2 | 55.3 | 55.5 | 55.5 | 56.1 |
| 45.9 | 52.8 | 55.5 | 57.3 | 57.8 | 58.7 | 59.2 | 59.5 | 59.9 | 60.3 | 60.4 | 60.5 | 60.7 | 60.7 | 61.4 |
| 52.9 | 57.0 | 59.9 | 61.8 | 62.3 | 63.2 | 63.8 | 64.1 | 64.5 | 64.9 | 65.0 | 65.1 | 65.3 | 65.4 | 66.1 |
| 55.9 | 60.3 | 63.3 | 65.3 | 65.8 | 66.8 | 67.5 | 67.8 | 68.2 | 68.6 | 68.7 | 68.8 | 69.0 | 69.1 | 69.8 |
| 58.2 | 62.8 | 66.0 | 68.1 | 68.7 | 69.7 | 70.4 | 70.7 | 71.2 | 71.6 | 71.7 | 71.8 | 72.0 | 72.1 | 72.8 |
| 59.4 | 64.1 | 67.5 | 69.6 | 70.2 | 71.2 | 72.0 | 72.3 | 72.7 | 73.2 | 73.3 | 73.4 | 73.6 | 73.7 | 74.4 |
| 61.5 | 66.5 | 69.9 | 72.2 | 72.9 | 74.0 | 74.7 | 75.1 | 75.5 | 75.9 | 76.0 | 76.2 | 76.4 | 76.5 | 77.1 |
| 63.3 | 68.4 | 72.0 | 74.4 | 75.1 | 76.2 | 77.0 | 77.3 | 77.8 | 78.2 | 78.3 | 78.4 | 78.7 | 78.7 | 79.4 |
| 65.7 | 71.1 | 74.8 | 77.3 | 78.1 | 79.3 | 80.0 | 80.3 | 80.8 | 81.2 | 81.4 | 81.5 | 81.7 | 81.8 | 82.5 |
| 67.8 | 73.4 | 77.4 | 80.0 | 80.8 | 82.1 | 82.9 | 83.3 | 83.7 | 84.2 | 84.3 | 84.4 | 84.7 | 84.7 | 85.4 |
| 69.8 | 75.7 | 79.9 | 82.5 | 83.4 | 84.7 | 85.5 | 85.9 | 86.4 | 86.9 | 87.0 | 87.1 | 87.3 | 87.4 | 88.1 |
| 70.6 | 76.6 | 80.8 | 83.6 | 84.3 | 85.8 | 86.7 | 87.0 | 87.5 | 88.0 | 88.1 | 88.2 | 88.5 | 88.5 | 89.2 |
| 71.7 | 77.9 | 82.4 | 85.3 | 86.2 | 87.6 | 88.5 | 88.8 | 89.3 | 89.8 | 89.9 | 90.1 | 90.3 | 90.4 | 91.0 |
| 72.9 | 79.5 | 84.4 | 87.6 | 88.6 | 90.1 | 91.0 | 91.4 | 91.9 | 92.4 | 92.5 | 92.6 | 92.9 | 92.9 | 93.6 |
| 73.4 | 80.2 | 85.5 | 88.9 | 89.9 | 91.5 | 92.5 | 92.9 | 93.4 | 93.9 | 94.1 | 94.2 | 94.4 | 94.5 | 95.2 |
| 73.6 | 80.6 | 86.0 | 89.5 | 90.6 | 92.3 | 93.3 | 93.7 | 94.2 | 94.7 | 94.8 | 95.0 | 95.2 | 95.3 | 95.9 |
| 73.8 | 81.0 | 86.7 | 90.3 | 91.5 | 93.2 | 94.3 | 94.7 | 95.3 | 95.8 | 95.9 | 96.0 | 96.3 | 96.3 | 97.0 |
| 74.0 | 81.3 | 87.1 | 90.8 | 92.1 | 93.9 | 95.0 | 95.3 | 96.1 | 96.6 | 96.7 | 96.9 | 97.1 | 97.2 | 97.8 |
| 74.1 | 81.4 | 87.4 | 91.2 | 92.5 | 94.3 | 95.5 | 96.0 | 96.6 | 97.2 | 97.3 | 97.4 | 97.7 | 97.7 | 98.4 |
| 74.1 | 81.5 | 87.5 | 91.4 | 92.8 | 94.7 | 96.0 | 96.4 | 97.1 | 97.6 | 97.8 | 97.9 | 98.2 | 98.2 | 98.9 |
| 74.1 | 81.6 | 87.6 | 91.6 | 92.9 | 94.9 | 96.2 | 96.6 | 97.3 | 97.9 | 98.0 | 98.2 | 98.4 | 98.5 | 99.2 |
| 74.1 | 81.6 | 87.7 | 91.6 | 93.0 | 94.9 | 96.3 | 96.8 | 97.5 | 98.1 | 98.2 | 98.4 | 98.7 | 98.7 | 99.4 |
| 74.1 | 81.6 | 87.7 | 91.6 | 93.0 | 94.9 | 96.3 | 96.8 | 97.5 | 98.2 | 98.3 | 98.5 | 98.8 | 98.9 | 99.7 |
| 74.1 | 81.6 | 87.7 | 91.6 | 93.0 | 94.9 | 96.3 | 96.8 | 97.5 | 98.2 | 98.3 | 98.5 | 98.8 | 98.9 | 99.9 |
| 74.1 | 81.6 | 87.7 | 91.6 | 93.0 | 94.9 | 96.3 | 96.8 | 97.5 | 98.2 | 98.3 | 98.5 | 98.8 | 98.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

12205

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 29.9 | 33.4 | 36.5 | 38.9 | 40.0 | 41.5 | 42.3 | 42.7 | 43.4 | 43.9 | 44.0 | 44.3 | 44.7 | 44.7 | 46.0 |
| 34.8 | 39.0 | 42.6 | 45.5 | 46.8 | 48.5 | 49.5 | 49.9 | 50.6 | 51.2 | 51.3 | 51.6 | 52.0 | 52.0 | 53.4 |
| 34.9 | 39.1 | 42.6 | 45.6 | 46.9 | 48.6 | 49.5 | 50.0 | 50.7 | 51.2 | 51.4 | 51.7 | 52.1 | 52.1 | 53.5 |
| 35.0 | 39.2 | 42.7 | 45.7 | 47.0 | 48.7 | 49.6 | 50.1 | 50.8 | 51.3 | 51.5 | 51.8 | 52.2 | 52.2 | 53.6 |
| 35.4 | 39.6 | 43.2 | 46.2 | 47.5 | 49.2 | 50.2 | 50.6 | 51.3 | 51.9 | 52.0 | 52.3 | 52.7 | 52.8 | 54.1 |
| 36.2 | 40.3 | 44.2 | 47.2 | 48.5 | 50.3 | 51.3 | 51.7 | 52.4 | 53.0 | 53.1 | 53.4 | 53.8 | 53.9 | 55.2 |
| 37.5 | 42.0 | 45.7 | 48.7 | 50.0 | 51.9 | 52.9 | 53.4 | 54.1 | 54.7 | 54.8 | 55.1 | 55.5 | 55.6 | 57.0 |
| 39.1 | 43.8 | 47.8 | 51.0 | 52.4 | 54.3 | 55.4 | 55.9 | 56.7 | 57.3 | 57.4 | 57.7 | 58.2 | 58.2 | 59.6 |
| 41.6 | 46.3 | 50.7 | 54.2 | 55.7 | 57.8 | 58.9 | 59.4 | 60.3 | 60.9 | 61.0 | 61.3 | 61.8 | 61.8 | 63.2 |
| 44.4 | 49.6 | 54.1 | 57.7 | 59.3 | 61.5 | 62.6 | 63.1 | 64.1 | 64.7 | 64.9 | 65.2 | 65.7 | 65.7 | 67.1 |
| 46.3 | 51.8 | 56.6 | 60.3 | 62.0 | 64.2 | 65.4 | 65.9 | 66.9 | 67.5 | 67.7 | 68.0 | 68.5 | 68.6 | 70.0 |
| 48.0 | 53.7 | 58.7 | 62.6 | 64.4 | 66.7 | 67.9 | 68.4 | 69.4 | 70.1 | 70.3 | 70.7 | 71.2 | 71.2 | 72.7 |
| 49.0 | 54.8 | 60.0 | 64.0 | 65.8 | 68.1 | 69.3 | 69.8 | 70.8 | 71.5 | 71.7 | 72.1 | 72.6 | 72.6 | 74.1 |
| 50.2 | 56.3 | 61.6 | 65.8 | 67.6 | 70.0 | 71.1 | 71.7 | 72.8 | 73.5 | 73.7 | 74.0 | 74.5 | 74.6 | 76.0 |
| 51.7 | 58.0 | 63.4 | 67.8 | 69.6 | 72.0 | 73.2 | 73.8 | 74.9 | 75.6 | 75.8 | 76.1 | 76.6 | 76.7 | 78.1 |
| 53.6 | 60.1 | 65.6 | 70.2 | 72.1 | 74.5 | 75.7 | 76.3 | 77.4 | 78.1 | 78.3 | 78.6 | 79.1 | 79.2 | 80.6 |
| 55.6 | 62.3 | 68.0 | 72.8 | 74.7 | 77.2 | 78.4 | 79.0 | 80.0 | 80.8 | 81.0 | 81.3 | 81.8 | 81.9 | 83.3 |
| 57.6 | 64.6 | 70.7 | 75.5 | 77.4 | 80.1 | 81.3 | 81.9 | 83.0 | 83.7 | 83.9 | 84.2 | 84.6 | 84.8 | 86.3 |
| 58.2 | 65.3 | 71.5 | 76.3 | 78.4 | 81.1 | 82.4 | 83.0 | 84.1 | 84.8 | 85.0 | 85.3 | 85.8 | 85.9 | 87.4 |
| 59.7 | 66.9 | 73.4 | 78.7 | 80.7 | 83.3 | 84.6 | 85.3 | 86.4 | 87.1 | 87.3 | 87.6 | 88.2 | 88.2 | 89.7 |
| 60.9 | 68.5 | 75.4 | 81.1 | 83.3 | 86.2 | 87.5 | 88.1 | 89.2 | 90.0 | 90.2 | 90.5 | 91.1 | 91.1 | 92.6 |
| 61.5 | 69.3 | 76.5 | 82.4 | 84.7 | 87.7 | 89.0 | 89.7 | 90.9 | 91.6 | 91.8 | 92.1 | 92.7 | 92.8 | 94.2 |
| 61.8 | 69.7 | 77.1 | 83.0 | 85.4 | 88.4 | 89.8 | 90.3 | 91.7 | 92.4 | 92.6 | 93.0 | 93.5 | 93.6 | 95.1 |
| 61.9 | 70.0 | 77.6 | 83.7 | 86.1 | 89.2 | 90.6 | 91.2 | 92.6 | 93.3 | 93.5 | 93.9 | 94.4 | 94.5 | 96.0 |
| 62.1 | 70.2 | 77.9 | 84.0 | 86.6 | 89.8 | 91.3 | 92.0 | 93.3 | 94.0 | 94.2 | 94.6 | 95.2 | 95.2 | 96.7 |
| 62.1 | 70.3 | 78.0 | 84.3 | 87.0 | 90.3 | 91.7 | 92.5 | 93.8 | 94.5 | 94.7 | 95.1 | 95.7 | 95.7 | 97.2 |
| 62.2 | 70.3 | 78.1 | 84.3 | 87.3 | 90.6 | 92.2 | 93.0 | 94.3 | 95.1 | 95.3 | 95.6 | 96.2 | 96.3 | 97.8 |
| 62.2 | 70.3 | 78.1 | 84.3 | 87.3 | 90.8 | 92.4 | 93.2 | 94.6 | 95.4 | 95.7 | 96.0 | 96.6 | 96.7 | 98.2 |
| 62.2 | 70.3 | 78.1 | 84.6 | 87.4 | 90.9 | 92.6 | 93.4 | 94.8 | 95.6 | 96.0 | 96.4 | 97.1 | 97.1 | 98.7 |
| 62.2 | 70.3 | 78.1 | 84.6 | 87.4 | 91.0 | 92.6 | 93.5 | 95.0 | 96.0 | 96.3 | 96.7 | 97.4 | 97.5 | 99.2 |
| 62.2 | 70.3 | 78.1 | 84.6 | 87.4 | 91.0 | 92.7 | 93.8 | 95.1 | 96.0 | 96.3 | 96.8 | 97.5 | 97.6 | 99.6 |
| 62.2 | 70.3 | 78.1 | 84.6 | 87.4 | 91.0 | 92.7 | 93.8 | 95.1 | 96.0 | 96.3 | 96.8 | 97.5 | 97.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

12442

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34056 SEBACH AB GERMANY

53-72

ECT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 17.5 | 20.9 | 24.7 | 28.4 | 30.2 | 32.1 | 33.2 | 33.8 | 34.9 | 35.5 | 35.7 | 36.0 | 36.6 | 36.7 | 39.1 |
| 21.0 | 24.7 | 29.1 | 33.1 | 35.0 | 37.2 | 38.3 | 39.0 | 40.2 | 40.9 | 41.1 | 41.4 | 42.1 | 42.1 | 44.7 |
| 21.0 | 24.7 | 29.1 | 33.2 | 35.1 | 37.2 | 38.3 | 39.1 | 40.2 | 40.9 | 41.1 | 41.4 | 42.1 | 42.2 | 44.7 |
| 21.0 | 24.7 | 29.1 | 33.2 | 35.1 | 37.2 | 38.4 | 39.1 | 40.2 | 40.9 | 41.1 | 41.4 | 42.1 | 42.2 | 44.7 |
| 21.2 | 25.0 | 29.4 | 33.5 | 35.4 | 37.5 | 38.7 | 39.4 | 40.5 | 41.2 | 41.4 | 41.7 | 42.4 | 42.5 | 45.0 |
| 21.7 | 25.4 | 30.0 | 34.1 | 36.0 | 38.3 | 39.5 | 40.2 | 41.3 | 42.1 | 42.3 | 42.6 | 43.3 | 43.4 | 45.9 |
| 22.5 | 26.4 | 31.1 | 35.4 | 37.4 | 39.7 | 41.0 | 41.7 | 42.9 | 43.6 | 43.8 | 44.1 | 44.9 | 44.9 | 47.5 |
| 23.3 | 27.3 | 32.2 | 36.7 | 38.8 | 41.2 | 42.5 | 43.2 | 44.4 | 45.2 | 45.4 | 45.7 | 46.4 | 46.5 | 49.1 |
| 24.6 | 28.8 | 34.0 | 38.6 | 40.8 | 43.3 | 44.6 | 45.4 | 46.6 | 47.3 | 47.5 | 47.9 | 48.6 | 48.7 | 51.3 |
| 26.9 | 31.4 | 36.9 | 41.7 | 44.0 | 46.6 | 47.9 | 48.7 | 49.9 | 50.7 | 50.9 | 51.3 | 52.1 | 52.1 | 54.8 |
| 28.3 | 33.0 | 38.8 | 43.7 | 46.1 | 48.7 | 50.1 | 50.9 | 52.1 | 52.9 | 53.2 | 53.5 | 54.3 | 54.3 | 57.0 |
| 29.6 | 34.6 | 40.5 | 45.6 | 48.0 | 50.9 | 52.3 | 53.1 | 54.4 | 55.3 | 55.5 | 55.8 | 56.6 | 56.7 | 59.4 |
| 30.3 | 35.6 | 41.7 | 46.9 | 49.4 | 52.4 | 53.9 | 54.8 | 56.1 | 56.9 | 57.2 | 57.5 | 58.3 | 58.4 | 61.1 |
| 31.9 | 37.4 | 43.7 | 49.1 | 51.6 | 54.7 | 56.2 | 57.2 | 58.5 | 59.4 | 59.6 | 59.9 | 60.7 | 60.8 | 63.5 |
| 33.2 | 39.0 | 45.4 | 51.0 | 53.6 | 56.9 | 58.5 | 59.4 | 60.8 | 61.8 | 62.0 | 62.4 | 63.2 | 63.2 | 66.0 |
| 35.0 | 41.1 | 47.9 | 53.7 | 56.4 | 59.9 | 61.6 | 62.5 | 63.9 | 65.0 | 65.2 | 65.6 | 66.4 | 66.5 | 69.2 |
| 36.8 | 43.2 | 50.3 | 56.2 | 59.1 | 62.8 | 64.5 | 65.5 | 67.0 | 68.1 | 68.3 | 68.7 | 69.3 | 69.6 | 72.4 |
| 38.5 | 45.5 | 53.0 | 59.0 | 62.1 | 66.0 | 67.8 | 68.8 | 70.3 | 71.5 | 71.7 | 72.1 | 73.0 | 73.0 | 75.8 |
| 39.3 | 46.4 | 54.0 | 60.2 | 63.4 | 67.4 | 69.1 | 70.2 | 71.7 | 72.9 | 73.2 | 73.6 | 74.4 | 74.5 | 77.3 |
| 40.3 | 47.9 | 55.9 | 62.5 | 65.9 | 70.1 | 72.0 | 73.1 | 74.6 | 75.9 | 76.1 | 76.5 | 77.4 | 77.5 | 80.3 |
| 41.4 | 49.5 | 58.1 | 65.3 | 69.0 | 73.4 | 75.4 | 76.5 | 78.2 | 79.5 | 79.7 | 80.2 | 81.0 | 81.1 | 83.9 |
| 42.0 | 50.3 | 59.4 | 66.9 | 70.7 | 75.4 | 77.5 | 78.7 | 80.4 | 81.8 | 82.0 | 82.4 | 83.3 | 83.4 | 86.2 |
| 42.2 | 50.7 | 60.0 | 67.7 | 71.6 | 76.4 | 78.6 | 79.8 | 81.5 | 82.9 | 83.1 | 83.6 | 84.4 | 84.5 | 87.3 |
| 42.4 | 51.0 | 60.7 | 68.7 | 72.8 | 77.9 | 80.1 | 81.3 | 83.1 | 84.5 | 84.8 | 85.2 | 86.1 | 86.2 | 89.0 |
| 42.5 | 51.3 | 61.2 | 69.5 | 73.8 | 79.0 | 81.3 | 82.6 | 84.4 | 85.8 | 86.1 | 86.6 | 87.4 | 87.5 | 90.3 |
| 42.6 | 51.5 | 61.5 | 69.9 | 74.8 | 79.9 | 82.3 | 83.6 | 85.5 | 87.1 | 87.3 | 87.8 | 88.7 | 88.8 | 91.6 |
| 42.7 | 51.8 | 61.8 | 70.3 | 74.9 | 80.3 | 83.1 | 84.6 | 86.7 | 88.2 | 88.5 | 89.0 | 89.9 | 90.0 | 92.9 |
| 42.7 | 51.6 | 61.8 | 70.4 | 75.0 | 80.8 | 83.5 | 85.0 | 87.3 | 89.0 | 89.3 | 89.9 | 90.8 | 90.9 | 93.9 |
| 42.7 | 51.6 | 61.9 | 70.5 | 75.1 | 81.0 | 83.8 | 85.4 | 87.8 | 89.6 | 90.0 | 90.7 | 91.7 | 91.9 | 95.2 |
| 42.7 | 51.6 | 61.9 | 70.5 | 75.1 | 81.0 | 83.8 | 85.5 | 87.9 | 90.0 | 90.5 | 91.3 | 92.6 | 92.7 | 97.1 |
| 42.7 | 51.6 | 61.9 | 70.5 | 75.1 | 81.0 | 83.8 | 85.5 | 88.0 | 90.0 | 90.6 | 91.4 | 92.8 | 93.0 | 98.6 |
| 42.7 | 51.6 | 61.9 | 70.5 | 75.1 | 81.0 | 83.8 | 85.5 | 88.0 | 90.0 | 90.6 | 91.4 | 92.8 | 93.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

12313

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEEBACH AB GERMANY

53-72

ACN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 9.4 | 11.1 | 13.3 | 15.2 | 16.2 | 17.3 | 18.1 | 18.3 | 18.8 | 19.1 | 19.1 | 19.2 | 19.6 | 19.6 | 21.0 |
| 11.8 | 13.9 | 16.4 | 18.7 | 20.0 | 21.4 | 22.2 | 22.5 | 23.1 | 23.4 | 23.5 | 23.6 | 24.0 | 24.0 | 25.5 |
| 11.8 | 13.9 | 16.4 | 18.7 | 20.1 | 21.5 | 22.2 | 22.5 | 23.1 | 23.4 | 23.5 | 23.6 | 24.0 | 24.1 | 25.5 |
| 11.9 | 13.9 | 16.5 | 18.8 | 20.1 | 21.5 | 22.3 | 22.6 | 23.2 | 23.5 | 23.6 | 23.7 | 24.1 | 24.1 | 25.6 |
| 11.9 | 14.1 | 16.6 | 18.9 | 20.3 | 21.7 | 22.5 | 22.8 | 23.4 | 23.7 | 23.8 | 23.9 | 24.3 | 24.3 | 25.8 |
| 12.4 | 14.6 | 17.2 | 19.6 | 20.9 | 22.4 | 23.2 | 23.5 | 24.1 | 24.4 | 24.5 | 24.6 | 25.0 | 25.0 | 26.5 |
| 13.0 | 15.2 | 17.5 | 20.2 | 21.6 | 23.1 | 23.9 | 24.3 | 25.0 | 25.3 | 25.4 | 25.5 | 25.9 | 26.0 | 27.5 |
| 13.7 | 15.9 | 18.6 | 21.0 | 22.5 | 24.1 | 25.0 | 25.2 | 26.0 | 26.4 | 26.5 | 26.6 | 27.0 | 27.1 | 28.6 |
| 15.0 | 17.4 | 20.4 | 23.1 | 24.6 | 26.4 | 27.3 | 27.8 | 28.5 | 29.0 | 29.1 | 29.2 | 29.6 | 29.7 | 31.2 |
| 16.5 | 19.1 | 22.2 | 25.2 | 26.9 | 28.8 | 29.8 | 30.2 | 31.0 | 31.6 | 31.7 | 31.8 | 32.2 | 32.3 | 33.8 |
| 17.4 | 20.2 | 23.4 | 26.5 | 28.3 | 30.3 | 31.4 | 31.9 | 32.8 | 33.4 | 33.5 | 33.7 | 34.1 | 34.2 | 35.7 |
| 18.7 | 21.6 | 25.1 | 28.4 | 30.3 | 32.7 | 33.8 | 34.4 | 35.4 | 36.1 | 36.2 | 36.4 | 36.9 | 36.9 | 38.5 |
| 19.3 | 22.3 | 26.0 | 29.5 | 31.6 | 34.1 | 35.2 | 35.9 | 36.9 | 37.6 | 37.7 | 37.9 | 38.4 | 38.4 | 40.1 |
| 20.4 | 23.6 | 27.5 | 31.1 | 33.4 | 36.2 | 37.4 | 38.1 | 39.1 | 39.9 | 40.1 | 40.2 | 40.8 | 40.8 | 42.5 |
| 21.6 | 25.0 | 29.1 | 33.0 | 35.5 | 38.4 | 39.8 | 40.5 | 41.6 | 42.4 | 42.5 | 42.7 | 43.3 | 43.3 | 45.0 |
| 23.0 | 26.8 | 31.3 | 35.5 | 38.2 | 41.3 | 42.8 | 43.5 | 44.7 | 45.6 | 45.8 | 46.0 | 46.6 | 46.6 | 48.4 |
| 25.0 | 29.2 | 34.2 | 38.8 | 41.8 | 45.1 | 46.8 | 47.5 | 48.8 | 49.8 | 50.0 | 50.2 | 50.8 | 50.9 | 52.6 |
| 27.1 | 32.1 | 37.8 | 42.9 | 46.2 | 49.9 | 51.7 | 52.6 | 53.9 | 55.0 | 55.2 | 55.4 | 56.1 | 56.1 | 57.9 |
| 27.8 | 33.1 | 39.3 | 44.7 | 48.2 | 52.0 | 53.8 | 54.7 | 56.1 | 57.1 | 57.4 | 57.6 | 58.2 | 58.3 | 60.0 |
| 29.2 | 35.1 | 42.3 | 48.3 | 52.0 | 56.1 | 58.1 | 59.0 | 60.5 | 61.6 | 61.9 | 62.1 | 62.8 | 62.8 | 64.6 |
| 30.7 | 37.5 | 45.9 | 52.8 | 57.1 | 61.8 | 64.0 | 64.9 | 66.6 | 67.8 | 68.1 | 68.3 | 69.0 | 69.1 | 70.8 |
| 31.3 | 38.6 | 47.6 | 55.1 | 59.7 | 64.8 | 67.2 | 68.3 | 70.0 | 71.3 | 71.6 | 71.9 | 72.5 | 72.6 | 74.4 |
| 31.5 | 39.0 | 48.4 | 56.5 | 61.2 | 66.6 | 69.2 | 70.3 | 72.1 | 73.4 | 73.7 | 74.0 | 74.7 | 74.8 | 76.6 |
| 31.7 | 39.4 | 49.2 | 57.8 | 63.2 | 69.1 | 72.0 | 73.2 | 75.1 | 76.4 | 76.8 | 77.1 | 77.8 | 77.8 | 79.6 |
| 31.9 | 39.8 | 49.5 | 58.8 | 64.6 | 71.1 | 74.2 | 75.4 | 77.4 | 78.5 | 79.3 | 79.6 | 80.2 | 80.3 | 82.2 |
| 32.0 | 40.1 | 50.3 | 59.7 | 65.9 | 72.8 | 76.2 | 77.3 | 79.7 | 81.2 | 81.7 | 82.0 | 82.7 | 82.8 | 84.6 |
| 32.0 | 40.2 | 50.7 | 60.4 | 67.0 | 74.6 | 78.3 | 79.5 | 82.2 | 84.0 | 84.6 | 84.9 | 85.7 | 85.8 | 87.7 |
| 32.0 | 40.2 | 50.8 | 60.6 | 67.6 | 75.7 | 79.9 | 81.7 | 84.4 | 86.4 | 87.0 | 87.3 | 88.4 | 88.5 | 90.6 |
| 32.0 | 40.2 | 50.8 | 60.8 | 68.0 | 76.5 | 81.0 | 82.9 | 86.1 | 88.7 | 89.4 | 90.0 | 91.1 | 91.2 | 93.6 |
| 32.0 | 40.2 | 50.8 | 60.8 | 68.1 | 76.7 | 81.4 | 83.4 | 86.7 | 89.6 | 90.5 | 91.4 | 92.9 | 93.0 | 96.4 |
| 32.1 | 40.2 | 50.9 | 60.8 | 68.1 | 76.7 | 81.5 | 83.5 | 87.0 | 89.9 | 90.9 | 91.8 | 93.6 | 93.8 | 98.6 |
| 32.1 | 40.2 | 50.9 | 60.8 | 68.1 | 76.7 | 81.5 | 83.5 | 87.0 | 90.0 | 91.0 | 91.9 | 93.8 | 94.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

11025

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/NAO

CEILING VERSUS VISIBILITY

34050 SEYBACH AB GERMANY

53-72

LEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 6.9 | 8.8 | 11.1 | 13.3 | 14.6 | 16.0 | 17.0 | 17.5 | 18.0 | 18.6 | 18.7 | 18.9 | 19.3 | 19.4 | 20.0 |
| 8.1 | 10.1 | 12.8 | 15.2 | 16.6 | 18.2 | 19.3 | 19.9 | 20.4 | 21.0 | 21.3 | 21.5 | 21.9 | 21.9 | 22.7 |
| 8.1 | 10.1 | 12.8 | 15.3 | 16.6 | 18.2 | 19.3 | 20.0 | 20.5 | 21.1 | 21.3 | 21.5 | 21.9 | 22.0 | 22.7 |
| 8.2 | 10.2 | 12.9 | 15.3 | 16.7 | 18.3 | 19.4 | 20.0 | 20.5 | 21.2 | 21.4 | 21.6 | 22.0 | 22.1 | 22.8 |
| 8.3 | 10.3 | 13.0 | 15.4 | 16.8 | 18.4 | 19.5 | 20.2 | 20.7 | 21.3 | 21.6 | 21.8 | 22.2 | 22.2 | 23.0 |
| 8.4 | 10.5 | 13.2 | 15.7 | 17.2 | 18.8 | 19.9 | 20.6 | 21.1 | 21.8 | 22.0 | 22.2 | 22.6 | 22.6 | 23.4 |
| 8.7 | 10.8 | 13.6 | 16.2 | 17.8 | 19.5 | 20.7 | 21.4 | 21.9 | 22.6 | 22.8 | 23.0 | 23.4 | 23.4 | 24.2 |
| 9.0 | 11.2 | 14.1 | 16.9 | 18.5 | 20.3 | 21.5 | 22.2 | 22.8 | 23.5 | 23.7 | 23.9 | 24.4 | 24.4 | 25.2 |
| 9.7 | 12.1 | 15.1 | 17.8 | 19.5 | 21.4 | 22.7 | 23.4 | 24.0 | 24.7 | 24.9 | 25.1 | 25.6 | 25.6 | 26.4 |
| 10.6 | 13.0 | 16.2 | 19.0 | 20.8 | 22.8 | 24.1 | 24.8 | 25.5 | 26.2 | 26.5 | 26.7 | 27.2 | 27.3 | 28.1 |
| 11.6 | 14.1 | 17.4 | 20.4 | 22.1 | 24.2 | 25.5 | 26.3 | 26.9 | 27.7 | 28.0 | 28.2 | 28.7 | 28.8 | 29.6 |
| 12.7 | 15.4 | 18.7 | 22.0 | 23.9 | 26.0 | 27.3 | 28.1 | 28.8 | 29.6 | 29.9 | 30.1 | 30.6 | 30.7 | 31.5 |
| 13.8 | 16.0 | 19.5 | 22.9 | 24.8 | 26.9 | 28.3 | 29.1 | 29.9 | 30.7 | 30.9 | 31.2 | 31.7 | 31.8 | 32.7 |
| 14.4 | 17.3 | 21.1 | 24.6 | 26.5 | 28.8 | 30.2 | 31.1 | 31.8 | 32.6 | 32.9 | 33.2 | 33.7 | 33.8 | 34.7 |
| 15.4 | 18.6 | 22.5 | 26.1 | 28.2 | 30.6 | 32.1 | 32.9 | 33.7 | 34.6 | 34.9 | 35.2 | 35.7 | 35.8 | 36.7 |
| 16.9 | 20.4 | 24.5 | 28.5 | 30.5 | 33.0 | 34.6 | 35.5 | 36.4 | 37.3 | 37.6 | 37.9 | 38.4 | 38.5 | 39.4 |
| 19.2 | 23.0 | 27.4 | 31.6 | 33.8 | 36.5 | 38.2 | 39.2 | 40.1 | 41.0 | 41.3 | 41.6 | 42.2 | 42.2 | 43.1 |
| 21.7 | 26.0 | 31.1 | 35.7 | 38.1 | 41.0 | 42.8 | 43.8 | 44.8 | 45.7 | 46.1 | 46.4 | 46.9 | 47.0 | 47.9 |
| 22.8 | 27.2 | 32.6 | 37.3 | 39.9 | 42.9 | 44.8 | 45.8 | 46.8 | 47.8 | 48.1 | 48.4 | 49.0 | 49.1 | 50.0 |
| 24.3 | 29.4 | 35.4 | 40.6 | 43.4 | 46.8 | 48.8 | 49.8 | 50.9 | 51.9 | 52.3 | 52.6 | 53.2 | 53.3 | 54.2 |
| 26.5 | 32.8 | 40.0 | 45.8 | 49.2 | 52.9 | 55.1 | 56.5 | 57.5 | 58.6 | 59.0 | 59.4 | 60.0 | 60.1 | 61.0 |
| 27.5 | 34.8 | 42.8 | 49.2 | 53.0 | 57.1 | 59.5 | 60.8 | 62.2 | 63.4 | 63.9 | 64.2 | 64.9 | 64.9 | 65.9 |
| 27.9 | 35.6 | 44.1 | 51.2 | 55.2 | 59.7 | 62.2 | 63.6 | 65.1 | 66.4 | 66.9 | 67.2 | 67.9 | 68.0 | 68.9 |
| 28.5 | 36.7 | 46.1 | 53.8 | 58.4 | 63.5 | 66.2 | 67.8 | 69.4 | 70.8 | 71.3 | 71.7 | 72.3 | 72.4 | 73.4 |
| 28.8 | 37.6 | 47.5 | 56.2 | 61.2 | 67.0 | 70.0 | 71.7 | 73.6 | 75.2 | 75.8 | 76.2 | 76.9 | 76.9 | 77.9 |
| 28.9 | 38.0 | 48.3 | 57.5 | 63.0 | 69.3 | 72.5 | 74.5 | 76.6 | 78.6 | 79.1 | 79.6 | 80.3 | 80.4 | 81.4 |
| 29.0 | 38.1 | 48.8 | 58.6 | 64.4 | 71.4 | 75.1 | 77.2 | 79.7 | 81.8 | 82.5 | 83.1 | 83.9 | 84.0 | 85.2 |
| 29.0 | 38.2 | 48.9 | 59.0 | 65.2 | 72.8 | 77.0 | 79.4 | 82.3 | 84.6 | 85.4 | 86.1 | 87.0 | 87.1 | 88.5 |
| 29.0 | 38.2 | 49.0 | 59.2 | 65.6 | 73.7 | 78.3 | 81.0 | 84.3 | 87.1 | 88.1 | 89.1 | 90.1 | 90.3 | 91.8 |
| 29.0 | 38.2 | 49.0 | 59.2 | 65.6 | 73.9 | 78.7 | 81.5 | 85.2 | 88.4 | 89.8 | 91.0 | 92.0 | 92.0 | 93.5 |
| 29.0 | 38.2 | 49.0 | 59.2 | 65.7 | 73.9 | 78.7 | 81.6 | 85.3 | 88.8 | 90.3 | 91.7 | 93.0 | 94.3 | 95.5 |
| 29.1 | 38.2 | 49.1 | 59.2 | 65.7 | 73.9 | 78.7 | 81.6 | 85.4 | 88.9 | 90.4 | 91.8 | 94.2 | 94.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

12150

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-68

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 12.3 | 13.2 | 17.8 | 21.4 | 22.9 | 23.8 | 26.4 | 26.6 | 27.4 | 28.4 | 28.4 | 28.5 | 28.9 | 29.0 | 29.7 |
| 14.3 | 17.1 | 19.6 | 23.6 | 25.3 | 28.4 | 29.1 | 29.3 | 30.1 | 31.1 | 31.1 | 31.3 | 31.6 | 31.8 | 32.4 |
| 14.3 | 17.1 | 19.6 | 23.6 | 25.3 | 28.4 | 29.1 | 29.3 | 30.1 | 31.1 | 31.1 | 31.3 | 31.6 | 31.8 | 32.4 |
| 14.3 | 17.1 | 19.6 | 23.6 | 25.3 | 28.4 | 29.1 | 29.3 | 30.1 | 31.1 | 31.1 | 31.3 | 31.6 | 31.8 | 32.4 |
| 14.3 | 17.1 | 19.7 | 23.7 | 25.4 | 28.5 | 29.2 | 29.4 | 30.3 | 31.3 | 31.3 | 31.4 | 31.8 | 31.9 | 32.5 |
| 14.6 | 17.3 | 20.0 | 23.9 | 25.7 | 28.7 | 29.5 | 29.7 | 30.5 | 31.5 | 31.5 | 31.8 | 32.1 | 32.3 | 32.9 |
| 14.6 | 17.7 | 20.4 | 24.4 | 26.1 | 29.2 | 30.0 | 30.2 | 31.0 | 32.0 | 32.0 | 32.3 | 32.6 | 32.8 | 33.4 |
| 15.6 | 18.7 | 21.4 | 25.5 | 27.2 | 30.3 | 31.1 | 31.4 | 32.3 | 33.3 | 33.3 | 33.5 | 33.8 | 34.0 | 34.6 |
| 16.6 | 19.9 | 22.6 | 27.0 | 29.0 | 32.1 | 32.9 | 33.2 | 34.1 | 35.1 | 35.1 | 35.3 | 35.6 | 35.8 | 36.4 |
| 17.5 | 20.9 | 24.1 | 28.7 | 30.8 | 34.0 | 34.8 | 35.1 | 36.1 | 37.1 | 37.1 | 37.3 | 37.6 | 37.8 | 38.4 |
| 18.4 | 21.9 | 25.7 | 29.7 | 31.9 | 35.1 | 36.0 | 36.3 | 37.2 | 38.2 | 38.2 | 38.4 | 38.8 | 38.9 | 39.6 |
| 19.5 | 23.1 | 26.7 | 31.3 | 33.4 | 36.8 | 37.8 | 38.3 | 39.2 | 40.3 | 40.3 | 40.5 | 40.9 | 41.0 | 41.6 |
| 19.9 | 23.3 | 27.2 | 31.8 | 34.1 | 37.5 | 38.5 | 38.9 | 39.9 | 40.9 | 40.9 | 41.1 | 41.5 | 41.6 | 42.3 |
| 20.1 | 23.9 | 27.6 | 32.5 | 34.9 | 38.4 | 39.4 | 39.9 | 40.9 | 42.0 | 42.0 | 42.2 | 42.6 | 42.7 | 43.4 |
| 21.3 | 25.3 | 29.2 | 34.3 | 36.8 | 40.4 | 41.4 | 41.9 | 42.9 | 44.0 | 44.0 | 44.2 | 44.6 | 44.7 | 45.4 |
| 22.8 | 26.9 | 31.4 | 36.7 | 39.4 | 43.4 | 44.6 | 45.1 | 46.1 | 47.2 | 47.2 | 47.5 | 47.9 | 48.0 | 48.7 |
| 24.2 | 28.5 | 33.3 | 39.0 | 41.9 | 45.9 | 47.2 | 47.7 | 48.7 | 49.7 | 49.7 | 50.0 | 50.5 | 50.6 | 51.3 |
| 26.1 | 30.7 | 36.3 | 42.5 | 45.9 | 50.4 | 51.8 | 52.3 | 53.3 | 54.3 | 54.3 | 54.6 | 55.1 | 55.2 | 55.8 |
| 27.2 | 32.2 | 37.8 | 44.2 | 47.6 | 52.2 | 53.5 | 54.1 | 55.1 | 56.1 | 56.1 | 56.4 | 56.8 | 57.0 | 57.6 |
| 28.7 | 34.1 | 40.1 | 47.0 | 50.8 | 55.5 | 56.9 | 57.4 | 58.4 | 59.6 | 59.6 | 59.9 | 60.4 | 60.5 | 61.1 |
| 30.5 | 36.5 | 43.5 | 50.9 | 54.8 | 60.2 | 61.7 | 62.3 | 63.3 | 64.6 | 64.7 | 65.0 | 65.5 | 65.7 | 66.3 |
| 31.0 | 37.7 | 45.6 | 53.8 | 57.8 | 63.8 | 65.7 | 66.3 | 67.3 | 68.7 | 68.7 | 69.1 | 69.6 | 69.7 | 70.4 |
| 31.8 | 38.6 | 47.7 | 56.8 | 61.0 | 67.2 | 69.1 | 69.7 | 70.8 | 72.3 | 72.3 | 72.7 | 73.2 | 73.3 | 74.0 |
| 32.1 | 39.4 | 49.7 | 59.9 | 64.4 | 71.0 | 73.0 | 73.8 | 75.1 | 76.6 | 76.6 | 77.0 | 77.5 | 77.6 | 78.3 |
| 32.4 | 39.9 | 51.2 | 61.6 | 66.3 | 73.5 | 76.0 | 76.7 | 78.0 | 79.6 | 79.6 | 80.0 | 80.5 | 80.6 | 81.3 |
| 32.5 | 40.1 | 51.8 | 62.5 | 67.7 | 75.4 | 78.3 | 79.0 | 80.4 | 82.3 | 82.4 | 82.9 | 83.4 | 83.5 | 84.2 |
| 32.7 | 40.4 | 52.5 | 63.7 | 69.2 | 77.4 | 80.7 | 81.4 | 82.9 | 84.9 | 85.2 | 85.7 | 86.2 | 86.3 | 87.1 |
| 32.7 | 40.6 | 52.8 | 64.3 | 70.6 | 79.5 | 83.1 | 84.2 | 86.0 | 88.5 | 88.7 | 89.4 | 89.9 | 90.1 | 90.8 |
| 32.7 | 40.6 | 52.8 | 64.4 | 70.8 | 80.1 | 84.3 | 85.7 | 88.2 | 91.3 | 91.7 | 92.8 | 93.7 | 93.9 | 94.6 |
| 32.7 | 40.6 | 52.8 | 64.4 | 70.8 | 80.1 | 84.4 | 85.9 | 89.1 | 92.4 | 92.9 | 94.2 | 95.7 | 95.9 | 97.6 |
| 32.7 | 40.6 | 52.8 | 64.4 | 70.8 | 80.1 | 84.4 | 86.0 | 89.2 | 92.5 | 93.1 | 94.5 | 96.1 | 96.3 | 99.1 |
| 32.7 | 40.6 | 52.8 | 64.4 | 70.8 | 80.1 | 84.4 | 86.0 | 89.2 | 92.5 | 93.1 | 94.6 | 96.2 | 96.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1395

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SENBACH AB GERMANY

54-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-0900

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 12.3 | 14.9 | 17.3 | 19.9 | 21.9 | 24.3 | 25.4 | 25.6 | 26.9 | 27.3 | 27.3 | 27.5 | 27.7 | 27.8 | 28.4 |
| 13.4 | 16.2 | 18.6 | 21.2 | 23.3 | 25.8 | 26.9 | 27.2 | 28.5 | 28.9 | 28.9 | 29.1 | 29.3 | 29.3 | 30.0 |
| 13.4 | 16.2 | 18.6 | 21.2 | 23.3 | 25.8 | 26.9 | 27.2 | 28.5 | 28.9 | 28.9 | 29.1 | 29.3 | 29.3 | 30.0 |
| 13.4 | 16.2 | 18.7 | 21.3 | 23.4 | 25.9 | 26.9 | 27.3 | 28.6 | 29.0 | 29.0 | 29.1 | 29.3 | 29.4 | 30.0 |
| 13.4 | 16.2 | 18.8 | 21.5 | 23.5 | 26.0 | 27.1 | 27.4 | 28.9 | 29.3 | 29.3 | 29.4 | 29.6 | 29.7 | 30.3 |
| 13.8 | 16.6 | 19.1 | 21.8 | 23.9 | 26.4 | 27.4 | 27.8 | 29.2 | 29.6 | 29.6 | 29.7 | 30.0 | 30.0 | 30.6 |
| 14.0 | 16.8 | 19.4 | 22.1 | 24.2 | 26.9 | 28.0 | 28.4 | 29.8 | 30.2 | 30.2 | 30.4 | 30.6 | 30.6 | 31.3 |
| 14.7 | 17.7 | 20.3 | 23.0 | 25.1 | 27.8 | 28.9 | 29.3 | 30.8 | 31.2 | 31.2 | 31.3 | 31.5 | 31.6 | 32.2 |
| 15.6 | 18.7 | 21.5 | 24.4 | 26.5 | 29.6 | 30.7 | 31.0 | 32.6 | 33.1 | 33.1 | 33.2 | 33.4 | 33.5 | 34.1 |
| 16.4 | 19.7 | 22.8 | 25.9 | 28.2 | 31.3 | 32.4 | 32.8 | 34.3 | 34.8 | 34.8 | 35.0 | 35.2 | 35.2 | 35.8 |
| 17.7 | 21.0 | 24.3 | 27.5 | 29.9 | 33.0 | 34.1 | 34.5 | 36.0 | 36.5 | 36.5 | 36.7 | 36.9 | 36.9 | 37.6 |
| 18.1 | 21.6 | 25.1 | 28.4 | 30.9 | 34.5 | 35.8 | 36.2 | 37.7 | 38.2 | 38.2 | 38.4 | 38.6 | 38.7 | 39.3 |
| 18.4 | 21.9 | 25.4 | 28.8 | 31.3 | 34.9 | 36.2 | 36.6 | 38.1 | 38.7 | 38.7 | 38.8 | 39.0 | 39.1 | 39.7 |
| 19.5 | 23.0 | 26.5 | 29.9 | 32.6 | 36.2 | 37.5 | 37.9 | 39.4 | 40.0 | 40.0 | 40.1 | 40.3 | 40.4 | 41.0 |
| 20.7 | 24.3 | 28.7 | 32.2 | 35.0 | 38.7 | 40.0 | 40.4 | 41.9 | 42.4 | 42.4 | 42.6 | 42.8 | 42.8 | 43.5 |
| 21.8 | 25.9 | 30.5 | 34.2 | 37.1 | 40.9 | 42.3 | 42.7 | 44.2 | 44.8 | 44.8 | 44.9 | 45.1 | 45.2 | 45.8 |
| 23.6 | 27.9 | 32.6 | 36.6 | 39.5 | 43.5 | 45.0 | 45.4 | 46.9 | 47.5 | 47.5 | 47.6 | 47.9 | 48.0 | 48.6 |
| 26.5 | 31.5 | 36.7 | 40.9 | 44.0 | 48.4 | 49.8 | 50.3 | 51.9 | 52.4 | 52.4 | 52.6 | 53.0 | 53.1 | 53.7 |
| 27.4 | 32.7 | 38.2 | 42.6 | 45.8 | 50.4 | 51.8 | 52.3 | 53.9 | 54.4 | 54.4 | 54.6 | 55.0 | 55.0 | 55.7 |
| 29.2 | 34.9 | 40.7 | 45.0 | 48.9 | 53.9 | 55.5 | 56.1 | 57.7 | 58.3 | 58.3 | 58.4 | 58.8 | 58.9 | 59.5 |
| 30.6 | 36.9 | 43.7 | 48.5 | 53.1 | 58.7 | 60.4 | 61.0 | 62.7 | 63.3 | 63.3 | 63.5 | 63.9 | 64.0 | 64.6 |
| 31.3 | 38.0 | 45.6 | 52.1 | 56.1 | 62.1 | 63.9 | 64.7 | 66.4 | 67.1 | 67.2 | 67.3 | 67.9 | 67.9 | 68.5 |
| 31.8 | 38.7 | 47.4 | 54.3 | 58.6 | 64.8 | 66.7 | 67.5 | 69.4 | 70.3 | 70.3 | 70.5 | 71.0 | 71.1 | 71.7 |
| 32.3 | 40.0 | 49.6 | 57.2 | 61.7 | 68.1 | 70.3 | 71.3 | 73.8 | 74.8 | 74.8 | 75.1 | 75.6 | 75.7 | 76.3 |
| 32.9 | 41.0 | 51.1 | 59.3 | 64.0 | 70.9 | 73.5 | 74.5 | 77.1 | 78.1 | 78.3 | 78.5 | 79.1 | 79.2 | 79.8 |
| 33.1 | 41.4 | 51.8 | 60.2 | 65.3 | 72.7 | 75.7 | 76.7 | 79.6 | 80.7 | 80.8 | 81.1 | 81.6 | 81.7 | 82.4 |
| 33.3 | 41.7 | 52.3 | 60.9 | 66.3 | 74.4 | 77.6 | 79.0 | 82.1 | 83.6 | 83.7 | 84.0 | 84.5 | 84.6 | 85.3 |
| 33.3 | 41.7 | 52.4 | 61.3 | 67.2 | 76.1 | 79.6 | 81.4 | 84.9 | 86.4 | 86.6 | 87.0 | 87.5 | 87.6 | 88.3 |
| 33.4 | 41.8 | 52.6 | 61.6 | 67.9 | 77.2 | 81.1 | 83.0 | 87.0 | 88.9 | 89.2 | 89.9 | 91.1 | 91.2 | 92.0 |
| 33.4 | 41.8 | 52.6 | 61.6 | 68.1 | 77.7 | 82.2 | 84.4 | 88.6 | 91.2 | 91.7 | 92.5 | 94.6 | 94.8 | 96.1 |
| 33.4 | 41.8 | 52.6 | 61.6 | 68.1 | 77.7 | 82.2 | 84.4 | 88.6 | 91.4 | 91.9 | 92.8 | 95.2 | 95.5 | 96.5 |
| 33.4 | 41.8 | 52.6 | 61.6 | 68.1 | 77.7 | 82.2 | 84.4 | 88.6 | 91.4 | 91.9 | 92.8 | 95.2 | 95.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1459

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 8.8 | 11.2 | 13.9 | 16.3 | 17.7 | 19.5 | 20.4 | 21.2 | 21.9 | 22.6 | 22.7 | 22.9 | 23.1 | 23.2 | 23.7 |
| 9.5 | 12.0 | 14.8 | 17.3 | 18.7 | 20.5 | 21.4 | 22.2 | 23.1 | 23.8 | 23.9 | 24.2 | 24.4 | 24.4 | 25.0 |
| 9.5 | 12.0 | 14.8 | 17.3 | 18.7 | 20.6 | 21.5 | 22.3 | 23.1 | 23.8 | 24.0 | 24.3 | 24.4 | 24.5 | 25.0 |
| 9.5 | 12.0 | 14.8 | 17.3 | 18.7 | 20.6 | 21.5 | 22.3 | 23.1 | 23.8 | 24.0 | 24.3 | 24.4 | 24.5 | 25.0 |
| 9.5 | 12.0 | 14.8 | 17.3 | 18.7 | 20.6 | 21.5 | 22.3 | 23.1 | 23.8 | 24.0 | 24.3 | 24.4 | 24.5 | 25.0 |
| 9.5 | 12.0 | 14.8 | 17.3 | 18.7 | 20.6 | 21.5 | 22.3 | 23.1 | 23.8 | 24.0 | 24.3 | 24.4 | 24.5 | 25.0 |
| 10.4 | 13.0 | 15.8 | 18.4 | 19.8 | 21.9 | 23.1 | 23.9 | 24.8 | 25.5 | 25.6 | 25.9 | 26.1 | 26.1 | 26.7 |
| 10.9 | 13.6 | 16.5 | 19.2 | 20.6 | 23.1 | 24.2 | 25.1 | 25.9 | 26.6 | 26.8 | 27.0 | 27.2 | 27.3 | 27.9 |
| 11.8 | 14.7 | 18.0 | 20.8 | 22.2 | 24.8 | 25.9 | 26.8 | 27.6 | 28.4 | 28.5 | 28.8 | 29.0 | 29.0 | 29.6 |
| 12.3 | 15.3 | 19.0 | 22.2 | 23.7 | 26.3 | 27.5 | 28.5 | 29.3 | 30.1 | 30.4 | 30.7 | 30.9 | 30.9 | 31.5 |
| 13.5 | 16.7 | 20.6 | 23.9 | 25.3 | 28.0 | 29.2 | 30.4 | 31.2 | 32.1 | 32.5 | 32.7 | 32.9 | 33.0 | 33.5 |
| 14.1 | 17.3 | 21.4 | 24.7 | 26.3 | 29.0 | 30.3 | 31.6 | 32.4 | 33.3 | 33.8 | 34.0 | 34.2 | 34.3 | 34.8 |
| 14.4 | 17.8 | 21.8 | 25.1 | 26.7 | 29.4 | 30.7 | 31.9 | 32.8 | 33.6 | 34.2 | 34.4 | 34.6 | 34.7 | 35.2 |
| 15.4 | 19.0 | 23.1 | 26.6 | 28.2 | 31.0 | 32.3 | 33.6 | 34.4 | 35.3 | 35.8 | 36.0 | 36.2 | 36.3 | 36.9 |
| 16.6 | 20.4 | 24.8 | 28.4 | 30.0 | 32.8 | 34.2 | 35.5 | 36.3 | 37.2 | 37.7 | 37.9 | 38.1 | 38.2 | 38.8 |
| 18.1 | 22.2 | 27.0 | 30.7 | 32.8 | 35.6 | 36.9 | 38.2 | 39.1 | 40.0 | 40.6 | 40.8 | 41.0 | 41.1 | 41.7 |
| 19.9 | 24.3 | 29.4 | 33.5 | 35.2 | 38.4 | 39.7 | 41.0 | 41.9 | 42.8 | 43.4 | 43.6 | 43.8 | 43.9 | 44.4 |
| 22.4 | 27.8 | 33.6 | 37.9 | 39.8 | 43.3 | 45.1 | 46.3 | 47.4 | 48.3 | 48.8 | 49.1 | 49.3 | 49.3 | 49.9 |
| 23.3 | 29.0 | 34.9 | 39.4 | 41.3 | 45.2 | 46.8 | 48.3 | 49.1 | 50.1 | 50.7 | 50.9 | 51.1 | 51.2 | 51.7 |
| 25.5 | 31.4 | 37.9 | 43.0 | 45.2 | 49.5 | 51.4 | 52.8 | 53.7 | 54.7 | 55.3 | 55.6 | 55.8 | 55.9 | 56.5 |
| 27.7 | 34.3 | 42.0 | 48.0 | 50.6 | 55.4 | 57.4 | 59.0 | 60.2 | 61.1 | 61.8 | 62.0 | 62.3 | 62.3 | 62.9 |
| 28.7 | 36.4 | 44.7 | 51.4 | 54.4 | 59.7 | 61.9 | 63.6 | 64.8 | 65.8 | 66.5 | 66.8 | 67.0 | 67.1 | 67.7 |
| 29.0 | 36.7 | 46.1 | 53.3 | 56.9 | 62.8 | 65.2 | 66.8 | 68.1 | 69.3 | 69.9 | 70.2 | 70.4 | 70.5 | 71.1 |
| 29.5 | 37.5 | 47.8 | 55.7 | 59.6 | 65.7 | 68.4 | 70.2 | 71.6 | 72.8 | 73.5 | 73.8 | 74.0 | 74.1 | 74.7 |
| 30.1 | 38.2 | 49.0 | 57.5 | 61.7 | 68.2 | 71.0 | 73.0 | 74.3 | 75.9 | 76.7 | 76.9 | 77.3 | 77.4 | 77.9 |
| 30.2 | 38.7 | 49.7 | 58.4 | 62.9 | 69.8 | 72.8 | 74.7 | 76.6 | 78.3 | 79.1 | 79.3 | 79.7 | 79.8 | 80.3 |
| 30.3 | 38.8 | 50.1 | 59.2 | 64.0 | 71.2 | 74.8 | 77.0 | 79.1 | 81.2 | 82.0 | 82.4 | 82.8 | 82.9 | 83.4 |
| 30.3 | 38.8 | 50.3 | 59.7 | 64.7 | 72.4 | 76.4 | 79.0 | 81.3 | 83.7 | 84.8 | 85.1 | 85.6 | 85.6 | 86.2 |
| 30.3 | 38.9 | 50.4 | 60.1 | 65.4 | 73.5 | 78.2 | 81.5 | 84.4 | 87.3 | 88.9 | 89.3 | 90.0 | 90.1 | 91.0 |
| 30.3 | 38.9 | 50.5 | 60.1 | 65.5 | 74.0 | 78.9 | 82.4 | 85.8 | 89.2 | 91.4 | 92.6 | 93.8 | 94.1 | 95.4 |
| 30.3 | 38.9 | 50.5 | 60.1 | 65.5 | 74.0 | 78.9 | 82.4 | 85.9 | 89.6 | 91.9 | 93.1 | 94.7 | 95.1 | 96.3 |
| 30.3 | 38.9 | 50.5 | 60.1 | 65.5 | 74.0 | 78.9 | 82.4 | 85.9 | 89.6 | 91.9 | 93.1 | 94.7 | 95.1 | 96.3 |

TOTAL NUMBER OF OBSERVATIONS

1587

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-1100

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 5.7 | 6.6 | 9.9 | 11.5 | 12.2 | 13.2 | 14.4 | 15.3 | 16.5 | 17.1 | 17.1 | 17.4 | 17.8 | 17.8 | 18.3 |
| 7.6 | 11.0 | 12.8 | 14.8 | 15.6 | 16.8 | 18.0 | 19.0 | 20.5 | 21.4 | 21.5 | 21.8 | 22.4 | 22.4 | 22.9 |
| 7.6 | 11.0 | 12.8 | 14.8 | 15.6 | 16.8 | 18.1 | 19.1 | 20.6 | 21.5 | 21.6 | 21.9 | 22.4 | 22.4 | 22.9 |
| 7.7 | 11.0 | 12.9 | 14.9 | 15.6 | 16.9 | 18.1 | 19.1 | 20.7 | 21.5 | 21.7 | 21.9 | 22.5 | 22.5 | 23.0 |
| 7.9 | 11.3 | 13.2 | 15.1 | 15.9 | 17.1 | 18.4 | 19.4 | 20.9 | 21.8 | 21.9 | 22.2 | 22.8 | 22.8 | 23.3 |
| 8.1 | 11.5 | 13.4 | 15.3 | 16.1 | 17.4 | 18.6 | 19.6 | 21.2 | 22.0 | 22.2 | 22.4 | 23.0 | 23.0 | 23.6 |
| 8.7 | 12.1 | 14.2 | 16.4 | 17.3 | 18.5 | 19.9 | 21.0 | 22.5 | 23.4 | 23.6 | 23.8 | 24.4 | 24.4 | 25.0 |
| 9.2 | 12.6 | 14.8 | 17.4 | 18.3 | 19.7 | 21.2 | 22.2 | 23.8 | 24.7 | 24.9 | 25.2 | 25.8 | 25.8 | 26.4 |
| 10.0 | 13.6 | 15.9 | 18.6 | 19.7 | 21.2 | 22.6 | 23.7 | 25.3 | 26.1 | 26.4 | 26.7 | 27.3 | 27.3 | 27.9 |
| 10.7 | 14.6 | 16.9 | 19.8 | 21.0 | 22.4 | 23.9 | 25.0 | 26.6 | 27.6 | 28.1 | 28.6 | 29.2 | 29.2 | 29.8 |
| 11.2 | 15.2 | 17.7 | 20.7 | 22.0 | 23.4 | 25.1 | 26.1 | 27.8 | 28.8 | 29.4 | 29.8 | 30.5 | 30.5 | 31.1 |
| 12.6 | 16.8 | 19.4 | 22.5 | 23.9 | 25.4 | 27.3 | 28.4 | 30.1 | 31.2 | 31.8 | 32.2 | 32.9 | 32.9 | 33.6 |
| 12.8 | 17.1 | 19.8 | 23.0 | 24.5 | 26.1 | 27.9 | 29.0 | 30.7 | 31.8 | 32.4 | 32.9 | 33.6 | 33.6 | 34.3 |
| 13.9 | 18.2 | 21.0 | 24.4 | 26.0 | 27.6 | 29.5 | 30.7 | 32.4 | 33.6 | 34.2 | 34.6 | 35.3 | 35.3 | 36.0 |
| 14.3 | 19.0 | 21.9 | 25.6 | 27.3 | 29.0 | 30.9 | 32.0 | 33.7 | 34.9 | 35.5 | 36.0 | 36.6 | 36.6 | 37.3 |
| 16.1 | 20.9 | 24.2 | 28.0 | 29.7 | 31.7 | 33.6 | 34.8 | 36.7 | 38.0 | 38.7 | 39.2 | 39.9 | 39.9 | 40.6 |
| 17.6 | 22.7 | 26.3 | 30.8 | 32.7 | 34.8 | 36.8 | 37.9 | 39.9 | 41.2 | 41.9 | 42.4 | 43.1 | 43.1 | 43.9 |
| 19.8 | 25.3 | 29.3 | 34.6 | 37.0 | 39.7 | 41.9 | 43.2 | 45.3 | 46.7 | 47.5 | 48.1 | 48.8 | 48.8 | 49.6 |
| 20.7 | 26.4 | 30.8 | 36.2 | 38.7 | 41.8 | 43.8 | 45.2 | 47.3 | 48.9 | 49.7 | 50.3 | 51.0 | 51.0 | 51.8 |
| 22.5 | 28.9 | 33.8 | 39.3 | 42.3 | 45.4 | 48.1 | 49.8 | 51.8 | 53.3 | 54.3 | 54.9 | 55.6 | 55.6 | 56.4 |
| 23.4 | 32.5 | 38.0 | 44.3 | 47.3 | 50.9 | 53.8 | 55.3 | 57.9 | 59.9 | 60.8 | 61.4 | 62.1 | 62.1 | 62.8 |
| 26.4 | 34.4 | 40.4 | 47.0 | 50.4 | 53.9 | 57.0 | 59.0 | 61.6 | 63.8 | 64.6 | 65.2 | 66.0 | 66.0 | 66.8 |
| 27.1 | 35.5 | 41.8 | 48.8 | 51.9 | 55.7 | 59.0 | 61.1 | 63.9 | 66.3 | 67.1 | 67.8 | 68.5 | 68.5 | 69.3 |
| 27.6 | 36.6 | 43.5 | 50.6 | 54.4 | 58.7 | 62.2 | 64.4 | 67.4 | 70.0 | 70.9 | 71.5 | 72.3 | 72.3 | 73.1 |
| 27.9 | 37.3 | 45.0 | 52.9 | 57.1 | 61.8 | 65.3 | 67.9 | 71.2 | 74.1 | 75.0 | 75.6 | 76.6 | 76.6 | 77.4 |
| 28.0 | 37.7 | 46.0 | 54.1 | 58.5 | 63.6 | 67.9 | 70.3 | 74.0 | 77.3 | 78.3 | 79.1 | 80.1 | 80.1 | 80.9 |
| 28.0 | 38.0 | 46.5 | 55.2 | 59.8 | 64.4 | 70.3 | 73.1 | 77.4 | 80.9 | 82.0 | 83.1 | 84.2 | 84.2 | 85.0 |
| 28.1 | 38.2 | 46.8 | 55.7 | 60.6 | 66.7 | 72.0 | 75.0 | 79.9 | 83.9 | 85.1 | 86.3 | 87.5 | 87.5 | 88.6 |
| 28.1 | 38.2 | 46.8 | 55.7 | 60.7 | 66.9 | 72.2 | 76.3 | 81.6 | 86.1 | 87.7 | 89.3 | 91.0 | 91.2 | 92.3 |
| 28.1 | 38.2 | 46.8 | 55.7 | 60.7 | 66.9 | 72.2 | 76.6 | 82.2 | 87.1 | 89.7 | 92.1 | 94.8 | 94.7 | 97.0 |
| 28.1 | 38.2 | 46.8 | 55.7 | 60.7 | 66.9 | 72.2 | 76.6 | 82.2 | 87.1 | 90.1 | 92.8 | 95.3 | 95.7 | 98.9 |
| 28.1 | 38.2 | 46.8 | 55.7 | 60.7 | 66.9 | 72.2 | 76.6 | 82.2 | 87.2 | 90.2 | 92.8 | 95.3 | 95.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1588

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 7.8 | 9.6 | 11.7 | 13.8 | 14.0 | 15.7 | 16.6 | 17.5 | 18.3 | 18.6 | 18.6 | 18.6 | 18.8 | 18.8 | 19.0 |
| 10.4 | 12.8 | 13.7 | 18.0 | 18.6 | 20.5 | 21.7 | 23.0 | 23.8 | 24.3 | 24.3 | 24.3 | 24.6 | 24.6 | 24.8 |
| 10.5 | 12.9 | 13.8 | 18.1 | 18.6 | 20.6 | 21.8 | 23.0 | 23.9 | 24.3 | 24.3 | 24.3 | 24.7 | 24.7 | 24.9 |
| 10.5 | 13.0 | 13.9 | 18.2 | 18.8 | 20.7 | 21.9 | 23.2 | 24.0 | 24.3 | 24.6 | 24.7 | 24.8 | 24.8 | 25.0 |
| 10.8 | 13.2 | 13.1 | 18.3 | 19.1 | 21.0 | 22.2 | 23.3 | 24.4 | 24.6 | 25.0 | 25.0 | 25.2 | 25.2 | 25.4 |
| 11.2 | 13.6 | 13.6 | 19.0 | 19.6 | 21.6 | 22.8 | 24.1 | 25.0 | 25.4 | 25.5 | 25.6 | 25.7 | 25.7 | 26.0 |
| 11.8 | 14.3 | 17.3 | 19.8 | 20.3 | 22.3 | 23.6 | 25.0 | 25.9 | 26.3 | 26.3 | 26.3 | 26.7 | 26.7 | 26.9 |
| 12.5 | 15.1 | 18.1 | 20.8 | 21.8 | 23.6 | 24.8 | 26.2 | 27.2 | 27.6 | 27.8 | 27.8 | 28.0 | 28.0 | 28.2 |
| 13.4 | 16.2 | 19.3 | 22.2 | 22.9 | 25.1 | 26.3 | 27.8 | 28.8 | 29.2 | 29.3 | 29.3 | 29.7 | 29.7 | 29.9 |
| 14.1 | 17.1 | 20.6 | 23.3 | 24.0 | 26.2 | 27.6 | 29.1 | 30.0 | 30.3 | 30.9 | 30.9 | 31.0 | 31.0 | 31.4 |
| 14.8 | 17.6 | 21.2 | 24.1 | 24.8 | 27.1 | 28.6 | 30.2 | 31.2 | 31.7 | 32.0 | 32.0 | 32.2 | 32.2 | 32.3 |
| 15.3 | 18.5 | 22.2 | 25.2 | 25.9 | 28.4 | 29.9 | 31.6 | 32.6 | 33.2 | 33.7 | 33.7 | 33.9 | 33.9 | 34.2 |
| 15.8 | 18.8 | 22.8 | 25.5 | 26.8 | 29.4 | 31.0 | 32.7 | 33.8 | 34.4 | 34.9 | 34.9 | 35.0 | 35.0 | 35.4 |
| 16.4 | 20.0 | 24.2 | 27.3 | 28.3 | 31.0 | 32.6 | 34.3 | 35.3 | 36.2 | 36.6 | 36.8 | 36.9 | 36.9 | 37.3 |
| 17.3 | 21.0 | 25.3 | 28.8 | 29.9 | 32.7 | 34.4 | 36.0 | 37.3 | 38.0 | 38.4 | 38.6 | 38.7 | 38.7 | 39.1 |
| 19.1 | 23.2 | 28.0 | 31.7 | 32.9 | 36.1 | 38.0 | 39.7 | 41.1 | 41.9 | 42.4 | 42.6 | 42.7 | 42.7 | 43.1 |
| 20.7 | 25.4 | 30.4 | 34.3 | 35.8 | 39.1 | 41.2 | 42.9 | 44.4 | 45.2 | 45.7 | 45.9 | 46.0 | 46.0 | 46.4 |
| 23.7 | 29.3 | 33.3 | 39.9 | 41.7 | 43.4 | 47.7 | 49.4 | 50.9 | 51.8 | 52.3 | 52.6 | 52.7 | 52.7 | 53.1 |
| 24.8 | 30.8 | 37.1 | 41.7 | 43.7 | 47.4 | 49.8 | 51.3 | 53.1 | 54.1 | 54.3 | 54.8 | 54.8 | 54.9 | 55.3 |
| 26.9 | 33.3 | 40.4 | 43.6 | 47.7 | 51.6 | 54.2 | 56.1 | 57.8 | 59.0 | 59.4 | 59.8 | 59.9 | 59.9 | 60.3 |
| 30.4 | 37.4 | 44.8 | 50.7 | 53.3 | 57.6 | 60.4 | 62.3 | 64.3 | 65.9 | 66.1 | 66.3 | 66.6 | 66.6 | 67.0 |
| 31.8 | 39.4 | 47.4 | 54.0 | 56.8 | 61.3 | 64.6 | 66.3 | 68.9 | 70.4 | 70.8 | 71.2 | 71.4 | 71.4 | 71.8 |
| 32.2 | 40.2 | 48.4 | 55.2 | 58.3 | 63.3 | 66.3 | 68.3 | 71.0 | 72.3 | 73.0 | 73.3 | 73.3 | 73.3 | 74.0 |
| 33.0 | 41.6 | 50.7 | 57.9 | 61.3 | 66.8 | 70.3 | 72.3 | 75.3 | 76.8 | 77.3 | 77.7 | 78.0 | 78.0 | 78.4 |
| 33.2 | 42.0 | 51.6 | 59.7 | 63.4 | 69.1 | 72.8 | 73.0 | 76.2 | 78.8 | 80.4 | 80.7 | 81.0 | 81.0 | 81.4 |
| 33.4 | 42.4 | 52.4 | 61.1 | 65.3 | 71.2 | 73.3 | 77.9 | 81.4 | 83.4 | 84.2 | 84.7 | 84.9 | 84.9 | 85.4 |
| 33.4 | 42.9 | 53.1 | 62.8 | 66.8 | 73.2 | 77.7 | 80.4 | 84.2 | 86.4 | 87.3 | 87.9 | 88.3 | 88.3 | 89.0 |
| 33.4 | 42.9 | 53.4 | 63.0 | 67.3 | 74.3 | 79.2 | 82.3 | 86.7 | 89.3 | 90.3 | 91.3 | 92.2 | 92.2 | 92.9 |
| 33.4 | 42.9 | 53.4 | 63.0 | 67.6 | 74.3 | 79.7 | 82.9 | 87.3 | 90.9 | 92.4 | 93.8 | 95.0 | 95.1 | 95.9 |
| 33.4 | 42.9 | 53.4 | 63.0 | 67.6 | 74.7 | 80.1 | 83.3 | 88.2 | 91.9 | 93.6 | 94.9 | 96.9 | 97.2 | 98.3 |
| 33.4 | 42.9 | 53.4 | 63.0 | 67.6 | 74.7 | 80.2 | 83.6 | 88.3 | 92.1 | 93.7 | 95.2 | 97.7 | 98.0 | 99.4 |
| 33.4 | 42.9 | 53.4 | 63.0 | 67.6 | 74.7 | 80.2 | 83.6 | 88.3 | 92.1 | 93.8 | 95.2 | 97.8 | 98.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1998

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

84-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-1700

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 9.4 | 12.2 | 14.0 | 16.5 | 17.5 | 18.9 | 19.5 | 20.4 | 20.6 | 21.1 | 21.1 | 21.2 | 21.3 | 21.3 | 21.3 |
| 12.7 | 16.5 | 18.8 | 22.1 | 23.5 | 25.1 | 25.9 | 27.0 | 27.6 | 28.1 | 28.2 | 28.3 | 28.6 | 28.6 | 28.7 |
| 12.7 | 16.5 | 18.8 | 22.1 | 23.6 | 25.1 | 26.0 | 27.1 | 27.7 | 28.1 | 28.3 | 28.4 | 28.6 | 28.6 | 28.8 |
| 12.7 | 16.6 | 18.9 | 22.2 | 23.6 | 25.2 | 26.1 | 27.1 | 27.8 | 28.2 | 28.3 | 28.4 | 28.7 | 28.7 | 28.8 |
| 13.0 | 16.9 | 19.2 | 22.5 | 23.9 | 25.5 | 26.4 | 27.5 | 28.1 | 28.6 | 28.7 | 28.8 | 29.1 | 29.1 | 29.2 |
| 13.7 | 17.7 | 20.0 | 23.3 | 24.7 | 26.4 | 27.3 | 28.4 | 29.1 | 29.5 | 29.6 | 29.8 | 30.0 | 30.0 | 30.1 |
| 14.5 | 18.7 | 21.0 | 24.3 | 25.8 | 27.4 | 28.4 | 29.6 | 30.3 | 30.8 | 30.9 | 31.0 | 31.3 | 31.3 | 31.5 |
| 15.2 | 19.3 | 22.1 | 25.6 | 27.0 | 28.8 | 29.8 | 31.0 | 31.7 | 32.1 | 32.3 | 32.4 | 32.7 | 32.7 | 32.9 |
| 15.7 | 20.1 | 23.1 | 26.6 | 28.1 | 30.1 | 31.3 | 32.5 | 33.3 | 33.8 | 33.9 | 34.1 | 34.5 | 34.5 | 34.6 |
| 16.9 | 21.4 | 24.6 | 28.1 | 29.6 | 31.6 | 32.8 | 34.0 | 34.9 | 35.4 | 35.5 | 35.8 | 36.2 | 36.2 | 36.3 |
| 17.9 | 22.3 | 25.8 | 29.8 | 31.3 | 33.3 | 34.6 | 35.8 | 36.8 | 37.3 | 37.4 | 37.7 | 38.0 | 38.0 | 38.2 |
| 19.0 | 23.6 | 27.1 | 31.0 | 32.5 | 34.6 | 35.9 | 37.2 | 38.2 | 38.7 | 39.0 | 39.3 | 39.7 | 39.7 | 39.8 |
| 19.5 | 24.1 | 27.6 | 31.6 | 33.1 | 35.2 | 36.5 | 38.0 | 39.0 | 39.5 | 39.8 | 40.1 | 40.5 | 40.5 | 40.7 |
| 20.4 | 25.3 | 28.9 | 32.0 | 34.5 | 36.7 | 38.0 | 39.7 | 40.9 | 41.4 | 41.7 | 42.0 | 42.5 | 42.5 | 42.7 |
| 22.0 | 26.9 | 30.6 | 34.9 | 36.4 | 38.5 | 40.1 | 41.7 | 42.9 | 43.6 | 43.9 | 44.2 | 44.7 | 44.7 | 44.9 |
| 24.7 | 29.9 | 34.0 | 38.5 | 40.4 | 42.7 | 44.2 | 45.9 | 47.2 | 48.0 | 48.2 | 48.6 | 49.2 | 49.2 | 49.4 |
| 26.8 | 32.5 | 36.7 | 41.2 | 43.2 | 45.6 | 47.2 | 49.0 | 50.5 | 51.1 | 51.3 | 51.7 | 52.3 | 52.3 | 52.5 |
| 29.3 | 36.0 | 40.7 | 45.7 | 47.7 | 50.6 | 52.4 | 54.3 | 55.8 | 56.6 | 56.8 | 57.2 | 57.8 | 57.8 | 58.0 |
| 30.4 | 37.5 | 42.5 | 47.7 | 49.8 | 52.8 | 54.6 | 56.6 | 58.1 | 59.0 | 59.2 | 59.6 | 60.2 | 60.2 | 60.4 |
| 32.0 | 39.7 | 45.7 | 51.6 | 54.1 | 57.4 | 59.3 | 61.4 | 62.9 | 64.1 | 64.4 | 64.8 | 65.4 | 65.4 | 65.6 |
| 34.3 | 42.6 | 49.4 | 55.8 | 58.4 | 62.1 | 64.1 | 66.2 | 67.9 | 69.4 | 69.7 | 70.1 | 70.7 | 70.7 | 70.9 |
| 35.4 | 44.0 | 51.3 | 58.3 | 61.3 | 65.4 | 67.7 | 70.1 | 72.1 | 73.7 | 74.0 | 74.4 | 75.0 | 75.0 | 75.3 |
| 36.1 | 44.9 | 52.3 | 59.5 | 62.6 | 66.9 | 69.3 | 71.9 | 74.1 | 75.8 | 76.1 | 76.5 | 77.1 | 77.1 | 77.4 |
| 36.5 | 45.9 | 53.5 | 60.9 | 64.1 | 69.0 | 71.6 | 74.4 | 76.9 | 79.1 | 79.6 | 80.0 | 80.7 | 80.7 | 81.0 |
| 36.8 | 46.5 | 54.3 | 62.2 | 65.6 | 70.9 | 73.6 | 76.5 | 79.4 | 81.8 | 82.3 | 82.7 | 83.4 | 83.4 | 83.6 |
| 37.1 | 47.1 | 55.2 | 63.3 | 67.2 | 72.6 | 76.2 | 79.6 | 82.7 | 85.5 | 86.0 | 86.5 | 87.2 | 87.2 | 87.5 |
| 37.2 | 47.2 | 55.6 | 64.2 | 68.4 | 74.2 | 78.1 | 81.7 | 85.2 | 88.3 | 89.2 | 89.9 | 90.7 | 90.7 | 91.0 |
| 37.2 | 47.2 | 55.7 | 64.5 | 68.9 | 74.8 | 79.3 | 83.2 | 87.1 | 90.5 | 91.4 | 92.2 | 93.4 | 93.4 | 93.7 |
| 37.2 | 47.2 | 55.8 | 64.5 | 69.0 | 75.3 | 79.9 | 83.8 | 88.0 | 92.1 | 93.2 | 94.1 | 95.9 | 95.9 | 96.5 |
| 37.2 | 47.2 | 55.8 | 64.5 | 69.0 | 75.4 | 80.1 | 84.3 | 88.8 | 93.2 | 94.4 | 95.8 | 98.2 | 98.4 | 99.4 |
| 37.2 | 47.2 | 55.8 | 64.5 | 69.0 | 75.4 | 80.1 | 84.3 | 88.8 | 93.4 | 94.5 | 96.0 | 98.5 | 98.7 | 100.0 |
| 37.2 | 47.2 | 55.8 | 64.5 | 69.0 | 75.4 | 80.1 | 84.3 | 88.8 | 93.4 | 94.5 | 96.0 | 98.5 | 98.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1596

CEILING VERSUS VISIBILITY

54-62

A

1570-250-

| | | | | | | | | | | | | | | | | | | | |
|----|------|------|------|------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 14.3 | 16.3 | 18.3 | 20.3 | 22.3 | 24.3 | 26.3 | 28.3 | 30.3 | 32.3 | 34.3 | 36.3 | 38.3 | 40.3 | 42.3 | 44.3 | 46.3 | 48.3 | 50.3 |
| 2 | 14.5 | 16.5 | 18.5 | 20.5 | 22.5 | 24.5 | 26.5 | 28.5 | 30.5 | 32.5 | 34.5 | 36.5 | 38.5 | 40.5 | 42.5 | 44.5 | 46.5 | 48.5 | 50.5 |
| 3 | 14.6 | 16.6 | 18.6 | 20.6 | 22.6 | 24.6 | 26.6 | 28.6 | 30.6 | 32.6 | 34.6 | 36.6 | 38.6 | 40.6 | 42.6 | 44.6 | 46.6 | 48.6 | 50.6 |
| 4 | 14.8 | 16.8 | 18.8 | 20.8 | 22.8 | 24.8 | 26.8 | 28.8 | 30.8 | 32.8 | 34.8 | 36.8 | 38.8 | 40.8 | 42.8 | 44.8 | 46.8 | 48.8 | 50.8 |
| 5 | 15.0 | 17.0 | 19.0 | 21.0 | 23.0 | 25.0 | 27.0 | 29.0 | 31.0 | 33.0 | 35.0 | 37.0 | 39.0 | 41.0 | 43.0 | 45.0 | 47.0 | 49.0 | 51.0 |
| 6 | 15.3 | 17.3 | 19.3 | 21.3 | 23.3 | 25.3 | 27.3 | 29.3 | 31.3 | 33.3 | 35.3 | 37.3 | 39.3 | 41.3 | 43.3 | 45.3 | 47.3 | 49.3 | 51.3 |
| 7 | 15.5 | 17.5 | 19.5 | 21.5 | 23.5 | 25.5 | 27.5 | 29.5 | 31.5 | 33.5 | 35.5 | 37.5 | 39.5 | 41.5 | 43.5 | 45.5 | 47.5 | 49.5 | 51.5 |
| 8 | 15.8 | 17.8 | 19.8 | 21.8 | 23.8 | 25.8 | 27.8 | 29.8 | 31.8 | 33.8 | 35.8 | 37.8 | 39.8 | 41.8 | 43.8 | 45.8 | 47.8 | 49.8 | 51.8 |
| 9 | 16.0 | 18.0 | 20.0 | 22.0 | 24.0 | 26.0 | 28.0 | 30.0 | 32.0 | 34.0 | 36.0 | 38.0 | 40.0 | 42.0 | 44.0 | 46.0 | 48.0 | 50.0 | 52.0 |
| 10 | 16.3 | 18.3 | 20.3 | 22.3 | 24.3 | 26.3 | 28.3 | 30.3 | 32.3 | 34.3 | 36.3 | 38.3 | 40.3 | 42.3 | 44.3 | 46.3 | 48.3 | 50.3 | 52.3 |
| 11 | 16.5 | 18.5 | 20.5 | 22.5 | 24.5 | 26.5 | 28.5 | 30.5 | 32.5 | 34.5 | 36.5 | 38.5 | 40.5 | 42.5 | 44.5 | 46.5 | 48.5 | 50.5 | 52.5 |
| 12 | 16.8 | 18.8 | 20.8 | 22.8 | 24.8 | 26.8 | 28.8 | 30.8 | 32.8 | 34.8 | 36.8 | 38.8 | 40.8 | 42.8 | 44.8 | 46.8 | 48.8 | 50.8 | 52.8 |
| 13 | 17.0 | 19.0 | 21.0 | 23.0 | 25.0 | 27.0 | 29.0 | 31.0 | 33.0 | 35.0 | 37.0 | 39.0 | 41.0 | 43.0 | 45.0 | 47.0 | 49.0 | 51.0 | 53.0 |
| 14 | 17.3 | 19.3 | 21.3 | 23.3 | 25.3 | 27.3 | 29.3 | 31.3 | 33.3 | 35.3 | 37.3 | 39.3 | 41.3 | 43.3 | 45.3 | 47.3 | 49.3 | 51.3 | 53.3 |
| 15 | 17.5 | 19.5 | 21.5 | 23.5 | 25.5 | 27.5 | 29.5 | 31.5 | 33.5 | 35.5 | 37.5 | 39.5 | 41.5 | 43.5 | 45.5 | 47.5 | 49.5 | 51.5 | 53.5 |
| 16 | 17.8 | 19.8 | 21.8 | 23.8 | 25.8 | 27.8 | 29.8 | 31.8 | 33.8 | 35.8 | 37.8 | 39.8 | 41.8 | 43.8 | 45.8 | 47.8 | 49.8 | 51.8 | 53.8 |
| 17 | 18.0 | 20.0 | 22.0 | 24.0 | 26.0 | 28.0 | 30.0 | 32.0 | 34.0 | 36.0 | 38.0 | 40.0 | 42.0 | 44.0 | 46.0 | 48.0 | 50.0 | 52.0 | 54.0 |
| 18 | 18.3 | 20.3 | 22.3 | 24.3 | 26.3 | 28.3 | 30.3 | 32.3 | 34.3 | 36.3 | 38.3 | 40.3 | 42.3 | 44.3 | 46.3 | 48.3 | 50.3 | 52.3 | 54.3 |
| 19 | 18.5 | 20.5 | 22.5 | 24.5 | 26.5 | 28.5 | 30.5 | 32.5 | 34.5 | 36.5 | 38.5 | 40.5 | 42.5 | 44.5 | 46.5 | 48.5 | 50.5 | 52.5 | 54.5 |
| 20 | 18.8 | 20.8 | 22.8 | 24.8 | 26.8 | 28.8 | 30.8 | 32.8 | 34.8 | 36.8 | 38.8 | 40.8 | 42.8 | 44.8 | 46.8 | 48.8 | 50.8 | 52.8 | 54.8 |
| 21 | 19.0 | 21.0 | 23.0 | 25.0 | 27.0 | 29.0 | 31.0 | 33.0 | 35.0 | 37.0 | 39.0 | 41.0 | 43.0 | 45.0 | 47.0 | 49.0 | 51.0 | 53.0 | 55.0 |
| 22 | 19.3 | 21.3 | 23.3 | 25.3 | 27.3 | 29.3 | 31.3 | 33.3 | 35.3 | 37.3 | 39.3 | 41.3 | 43.3 | 45.3 | 47.3 | 49.3 | 51.3 | 53.3 | 55.3 |
| 23 | 19.5 | 21.5 | 23.5 | 25.5 | 27.5 | 29.5 | 31.5</ | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

1293

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34055 SEMBACH AB GERMANY

54-65

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

| | | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 12.1 | 14.6 | 17.1 | 20.4 | 22.2 | 25.0 | 26.1 | 26.7 | 27.4 | 27.7 | 27.8 | 27.9 | 28.0 | 28.0 | 28.2 |
| | 13.4 | 16.1 | 18.8 | 22.9 | 24.8 | 27.8 | 29.0 | 29.6 | 30.3 | 30.5 | 30.7 | 30.8 | 30.9 | 30.9 | 31.1 |
| | 13.4 | 16.1 | 18.8 | 22.9 | 24.8 | 27.8 | 29.0 | 29.6 | 30.3 | 30.5 | 30.7 | 30.8 | 30.9 | 30.9 | 31.1 |
| | 13.4 | 16.1 | 18.8 | 22.9 | 24.8 | 27.8 | 29.0 | 29.6 | 30.3 | 30.5 | 30.7 | 30.8 | 30.9 | 30.9 | 31.1 |
| | 13.8 | 16.5 | 19.2 | 23.3 | 25.4 | 28.5 | 29.7 | 30.3 | 31.0 | 31.3 | 31.4 | 31.5 | 31.6 | 31.6 | 31.8 |
| | 14.2 | 16.8 | 19.6 | 23.8 | 25.9 | 29.1 | 30.3 | 30.9 | 31.5 | 31.8 | 32.0 | 32.0 | 32.2 | 32.2 | 32.4 |
| | 14.6 | 17.3 | 20.1 | 24.7 | 26.8 | 30.0 | 31.2 | 31.8 | 32.5 | 32.8 | 32.9 | 33.0 | 33.1 | 33.1 | 33.3 |
| | 15.4 | 18.1 | 21.1 | 25.0 | 28.3 | 31.8 | 33.0 | 33.6 | 34.3 | 34.6 | 34.7 | 34.8 | 34.9 | 34.9 | 35.1 |
| | 16.3 | 19.1 | 22.3 | 27.2 | 29.6 | 33.3 | 34.5 | 35.1 | 35.8 | 36.1 | 36.2 | 36.3 | 36.4 | 36.4 | 36.6 |
| | 17.3 | 20.2 | 23.4 | 28.4 | 30.9 | 34.6 | 35.8 | 36.6 | 37.3 | 37.6 | 37.8 | 37.8 | 38.0 | 38.0 | 38.2 |
| | 18.0 | 21.2 | 24.4 | 29.6 | 32.5 | 36.5 | 37.9 | 38.8 | 39.6 | 39.9 | 40.0 | 40.1 | 40.2 | 40.2 | 40.4 |
| | 18.5 | 21.9 | 25.2 | 30.4 | 33.5 | 37.6 | 39.0 | 39.9 | 40.6 | 40.9 | 41.1 | 41.1 | 41.3 | 41.3 | 41.5 |
| | 19.5 | 22.9 | 26.7 | 32.2 | 35.4 | 39.5 | 41.1 | 41.9 | 42.8 | 43.1 | 43.2 | 43.3 | 43.4 | 43.4 | 43.7 |
| | 20.9 | 24.9 | 28.7 | 34.2 | 37.4 | 41.5 | 43.1 | 43.9 | 44.9 | 45.2 | 45.4 | 45.4 | 45.6 | 45.6 | 45.8 |
| | 21.9 | 26.1 | 30.6 | 36.7 | 39.9 | 44.0 | 45.7 | 46.5 | 47.5 | 47.9 | 48.1 | 48.2 | 48.4 | 48.4 | 48.7 |
| | 24.2 | 29.0 | 34.1 | 40.6 | 44.0 | 48.2 | 50.0 | 51.0 | 52.0 | 52.3 | 52.7 | 52.8 | 53.0 | 53.0 | 53.3 |
| | 26.2 | 31.8 | 37.3 | 44.4 | 48.4 | 52.8 | 54.6 | 55.8 | 56.6 | 57.1 | 57.3 | 57.4 | 57.6 | 57.6 | 57.8 |
| | 26.8 | 32.7 | 38.4 | 45.8 | 50.0 | 54.7 | 56.5 | 57.4 | 58.3 | 59.0 | 59.2 | 59.4 | 59.5 | 59.5 | 59.8 |
| | 27.7 | 34.3 | 40.5 | 49.0 | 53.4 | 58.4 | 60.2 | 61.2 | 62.4 | 62.9 | 63.1 | 63.2 | 63.4 | 63.4 | 63.7 |
| | 29.2 | 36.2 | 43.3 | 52.5 | 57.3 | 62.4 | 64.3 | 65.4 | 66.6 | 67.2 | 67.5 | 67.6 | 67.7 | 67.7 | 68.0 |
| | 30.5 | 38.2 | 46.0 | 56.2 | 61.5 | 67.0 | 69.0 | 70.1 | 71.4 | 72.0 | 72.3 | 72.5 | 72.6 | 72.6 | 72.9 |
| | 30.9 | 39.2 | 47.4 | 57.8 | 63.7 | 69.5 | 71.5 | 73.0 | 74.3 | 75.1 | 75.3 | 75.5 | 75.6 | 75.6 | 75.9 |
| | 31.2 | 40.0 | 49.0 | 59.8 | 66.1 | 72.5 | 73.5 | 76.4 | 78.0 | 78.8 | 79.1 | 79.2 | 79.4 | 79.4 | 79.6 |
| | 31.6 | 40.9 | 50.3 | 61.4 | 68.2 | 73.1 | 75.0 | 79.4 | 81.1 | 81.9 | 82.2 | 82.4 | 82.5 | 82.5 | 82.8 |
| | 31.6 | 41.1 | 50.7 | 62.0 | 69.0 | 76.3 | 79.6 | 81.1 | 83.0 | 84.1 | 84.4 | 84.5 | 84.7 | 84.7 | 84.9 |
| | 31.6 | 41.2 | 51.4 | 62.9 | 70.9 | 78.9 | 82.3 | 84.0 | 86.2 | 87.3 | 87.8 | 88.0 | 88.2 | 88.2 | 88.5 |
| | 31.6 | 41.2 | 51.4 | 62.9 | 71.3 | 79.6 | 83.9 | 85.7 | 88.5 | 90.1 | 90.5 | 90.8 | 91.2 | 91.2 | 91.5 |
| | 31.6 | 41.2 | 51.5 | 63.1 | 71.5 | 80.1 | 84.8 | 87.0 | 90.3 | 92.4 | 93.1 | 93.8 | 94.6 | 94.6 | 95.1 |
| | 31.6 | 41.2 | 51.5 | 63.1 | 71.7 | 80.4 | 85.2 | 87.5 | 90.8 | 93.5 | 94.6 | 95.4 | 96.6 | 96.6 | 97.6 |
| | 31.6 | 41.2 | 51.5 | 63.1 | 71.7 | 80.4 | 85.2 | 87.5 | 90.8 | 93.5 | 94.8 | 96.0 | 97.5 | 97.6 | 99.4 |
| | 31.6 | 41.2 | 51.5 | 63.1 | 71.7 | 80.4 | 85.2 | 87.5 | 90.8 | 93.5 | 94.8 | 96.1 | 97.6 | 97.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1393

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-68

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 14.0 | 15.7 | 18.3 | 22.2 | 24.8 | 28.4 | 29.7 | 30.3 | 32.0 | 33.4 | 33.5 | 33.8 | 33.8 | 33.9 | 34.5 |
| 16.2 | 18.5 | 21.9 | 26.0 | 28.6 | 32.5 | 33.8 | 34.4 | 36.1 | 37.5 | 37.6 | 37.8 | 37.9 | 38.0 | 38.6 |
| 16.2 | 18.5 | 21.9 | 26.0 | 28.6 | 32.5 | 33.8 | 34.4 | 36.1 | 37.5 | 37.6 | 37.8 | 37.9 | 38.0 | 38.6 |
| 16.3 | 18.6 | 22.0 | 26.0 | 28.7 | 32.6 | 33.9 | 34.5 | 36.2 | 37.6 | 37.7 | 37.9 | 38.0 | 38.1 | 38.6 |
| 16.4 | 18.8 | 22.2 | 26.4 | 29.0 | 32.9 | 34.2 | 34.8 | 36.5 | 37.9 | 38.0 | 38.2 | 38.3 | 38.4 | 38.9 |
| 16.8 | 19.2 | 22.6 | 26.8 | 29.5 | 33.4 | 34.8 | 35.3 | 37.1 | 38.5 | 38.6 | 38.8 | 38.9 | 38.9 | 39.5 |
| 17.5 | 19.7 | 23.3 | 27.5 | 30.3 | 34.2 | 35.6 | 36.1 | 37.8 | 39.3 | 39.3 | 39.6 | 39.7 | 39.7 | 40.3 |
| 17.9 | 20.4 | 23.9 | 28.3 | 31.2 | 35.6 | 37.0 | 37.6 | 39.4 | 41.0 | 41.1 | 41.2 | 41.4 | 41.5 | 42.0 |
| 18.8 | 21.6 | 25.6 | 30.0 | 32.9 | 37.3 | 39.5 | 40.2 | 42.1 | 43.7 | 43.7 | 44.0 | 44.1 | 44.1 | 44.7 |
| 20.5 | 23.5 | 27.9 | 32.9 | 36.0 | 40.6 | 42.8 | 43.6 | 45.3 | 47.0 | 47.1 | 47.4 | 47.4 | 47.5 | 48.1 |
| 22.0 | 25.3 | 29.8 | 35.2 | 38.4 | 43.4 | 45.6 | 46.3 | 48.2 | 49.8 | 49.9 | 50.1 | 50.2 | 50.3 | 50.8 |
| 22.7 | 26.2 | 31.0 | 36.7 | 40.1 | 45.1 | 47.3 | 48.1 | 50.0 | 51.5 | 51.6 | 51.8 | 51.9 | 52.0 | 52.6 |
| 23.4 | 27.0 | 32.3 | 38.1 | 41.8 | 46.5 | 48.9 | 49.6 | 51.6 | 53.2 | 53.3 | 53.6 | 53.7 | 53.7 | 54.3 |
| 24.0 | 27.6 | 33.0 | 39.2 | 42.6 | 47.8 | 50.1 | 50.9 | 52.9 | 54.4 | 54.6 | 54.9 | 55.1 | 55.2 | 55.7 |
| 25.5 | 29.1 | 34.8 | 41.6 | 45.3 | 50.4 | 52.8 | 53.6 | 55.6 | 57.2 | 57.4 | 57.7 | 57.9 | 58.0 | 58.5 |
| 27.0 | 31.2 | 37.5 | 44.8 | 48.5 | 53.7 | 56.2 | 57.0 | 59.1 | 60.7 | 60.9 | 61.4 | 61.5 | 61.6 | 62.2 |
| 28.1 | 32.7 | 39.8 | 47.8 | 51.5 | 56.9 | 59.4 | 60.2 | 62.3 | 64.0 | 64.2 | 64.7 | 64.8 | 64.9 | 65.5 |
| 29.4 | 34.5 | 41.8 | 51.0 | 54.8 | 60.5 | 63.1 | 63.9 | 66.0 | 67.7 | 67.9 | 68.4 | 68.5 | 68.6 | 69.2 |
| 29.7 | 34.9 | 42.3 | 51.8 | 55.7 | 61.6 | 64.3 | 65.1 | 67.2 | 68.9 | 69.1 | 69.6 | 69.8 | 69.9 | 70.4 |
| 30.7 | 36.4 | 44.6 | 54.4 | 58.5 | 64.9 | 67.8 | 68.7 | 70.9 | 72.6 | 72.8 | 73.3 | 73.5 | 73.6 | 74.1 |
| 31.9 | 38.6 | 47.6 | 57.9 | 62.5 | 69.0 | 72.2 | 73.1 | 75.3 | 77.3 | 77.4 | 78.0 | 78.1 | 78.2 | 78.8 |
| 32.6 | 39.8 | 49.2 | 59.8 | 64.7 | 71.8 | 75.1 | 76.0 | 78.4 | 80.3 | 80.5 | 81.1 | 81.2 | 81.4 | 81.9 |
| 33.1 | 40.5 | 50.1 | 61.2 | 66.2 | 73.6 | 76.8 | 77.7 | 80.3 | 82.1 | 82.3 | 83.0 | 83.2 | 83.3 | 83.9 |
| 33.5 | 41.2 | 51.4 | 62.8 | 67.7 | 75.7 | 79.2 | 80.4 | 82.9 | 84.8 | 85.0 | 85.7 | 85.8 | 85.9 | 86.6 |
| 33.7 | 41.8 | 52.2 | 64.1 | 69.5 | 77.9 | 81.6 | 82.7 | 85.4 | 87.3 | 87.5 | 88.2 | 88.4 | 88.5 | 89.2 |
| 33.7 | 41.8 | 52.4 | 64.3 | 69.7 | 78.4 | 82.1 | 83.2 | 86.0 | 88.0 | 88.3 | 89.0 | 89.2 | 89.3 | 90.0 |
| 33.7 | 42.1 | 52.7 | 64.9 | 70.3 | 79.2 | 83.2 | 84.3 | 87.7 | 90.2 | 90.4 | 91.2 | 91.3 | 91.4 | 92.1 |
| 33.7 | 42.1 | 53.1 | 65.3 | 71.4 | 81.4 | 85.8 | 87.1 | 90.6 | 93.1 | 93.3 | 94.0 | 94.3 | 94.3 | 95.0 |
| 33.7 | 42.1 | 53.1 | 65.6 | 71.6 | 81.8 | 86.4 | 87.8 | 91.8 | 94.5 | 94.8 | 95.5 | 95.8 | 96.1 | 97.6 |
| 33.7 | 42.1 | 53.1 | 65.6 | 71.6 | 81.8 | 86.4 | 87.8 | 91.8 | 94.5 | 94.8 | 95.5 | 95.8 | 96.1 | 97.6 |
| 33.7 | 42.1 | 53.1 | 65.6 | 71.6 | 81.8 | 86.4 | 87.8 | 91.8 | 94.5 | 94.8 | 95.5 | 95.8 | 96.1 | 97.6 |
| 33.7 | 42.1 | 53.1 | 65.6 | 71.6 | 81.8 | 86.4 | 87.8 | 91.8 | 94.5 | 94.8 | 95.5 | 95.8 | 96.1 | 97.6 |

TOTAL NUMBER OF OBSERVATIONS

1271

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34050 SOMBACH AB GERMANY

54-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

C800-0800

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.3 | 14.8 | 17.6 | 20.9 | 23.6 | 27.4 | 28.5 | 28.9 | 30.8 | 31.8 | 32.2 | 32.7 | 32.9 | 33.0 | 34.0 |
| 13.6 | 16.5 | 19.5 | 23.0 | 25.9 | 29.9 | 30.9 | 31.4 | 33.3 | 34.3 | 34.8 | 35.2 | 35.5 | 35.5 | 36.5 |
| 13.6 | 16.6 | 19.6 | 23.1 | 26.0 | 30.0 | 31.0 | 31.5 | 33.4 | 34.4 | 34.9 | 35.3 | 35.5 | 35.6 | 36.6 |
| 13.6 | 16.6 | 19.7 | 23.2 | 26.1 | 30.0 | 31.1 | 31.6 | 33.4 | 34.2 | 34.9 | 35.4 | 35.6 | 35.7 | 36.7 |
| 13.7 | 16.9 | 19.9 | 23.4 | 26.3 | 30.3 | 31.3 | 31.8 | 33.7 | 34.7 | 35.2 | 35.6 | 35.8 | 35.9 | 36.9 |
| 14.0 | 17.2 | 20.2 | 23.9 | 26.7 | 30.7 | 31.8 | 32.2 | 34.1 | 35.2 | 35.6 | 36.1 | 36.3 | 36.4 | 37.3 |
| 14.2 | 17.3 | 20.4 | 24.1 | 27.0 | 31.1 | 32.2 | 32.7 | 34.6 | 35.6 | 36.1 | 36.5 | 36.7 | 36.8 | 37.8 |
| 14.5 | 17.6 | 20.9 | 24.8 | 27.9 | 32.2 | 33.4 | 34.0 | 35.8 | 36.9 | 37.5 | 38.0 | 38.3 | 38.3 | 39.3 |
| 16.1 | 19.5 | 22.7 | 26.6 | 29.7 | 34.1 | 35.7 | 36.4 | 38.4 | 39.5 | 40.1 | 40.6 | 40.8 | 40.9 | 41.9 |
| 17.4 | 20.6 | 24.5 | 28.5 | 32.0 | 36.6 | 38.3 | 39.3 | 41.5 | 42.5 | 43.1 | 43.6 | 44.0 | 44.1 | 45.0 |
| 18.0 | 21.5 | 25.7 | 30.0 | 33.7 | 38.4 | 40.1 | 41.1 | 43.3 | 44.4 | 45.0 | 45.6 | 45.8 | 45.9 | 46.8 |
| 18.8 | 22.5 | 26.7 | 31.3 | 34.9 | 39.7 | 41.4 | 42.4 | 44.6 | 45.6 | 46.2 | 46.8 | 47.1 | 47.1 | 48.1 |
| 19.9 | 23.4 | 27.9 | 32.8 | 36.5 | 41.3 | 43.0 | 44.1 | 46.2 | 47.4 | 48.0 | 48.6 | 48.9 | 48.9 | 49.9 |
| 20.9 | 24.6 | 29.4 | 34.5 | 38.2 | 43.1 | 44.8 | 45.9 | 48.0 | 49.2 | 49.8 | 50.3 | 50.7 | 50.8 | 51.7 |
| 22.3 | 26.1 | 32.0 | 37.2 | 41.3 | 46.5 | 48.2 | 49.2 | 51.4 | 52.6 | 53.3 | 53.9 | 54.1 | 54.2 | 55.2 |
| 23.6 | 27.7 | 34.2 | 40.0 | 44.1 | 49.2 | 51.0 | 52.0 | 54.4 | 55.6 | 56.4 | 57.0 | 57.2 | 57.3 | 58.3 |
| 24.9 | 29.5 | 36.5 | 42.3 | 46.8 | 52.1 | 53.9 | 55.0 | 57.5 | 58.9 | 59.6 | 60.3 | 60.5 | 60.6 | 61.6 |
| 27.4 | 32.8 | 40.6 | 47.2 | 51.7 | 57.3 | 59.2 | 60.2 | 62.7 | 64.2 | 64.9 | 65.6 | 65.8 | 65.9 | 66.9 |
| 28.4 | 34.0 | 42.0 | 48.9 | 53.3 | 59.3 | 61.3 | 62.3 | 64.8 | 66.3 | 67.0 | 67.7 | 67.9 | 68.0 | 69.0 |
| 29.6 | 35.8 | 44.2 | 51.6 | 56.5 | 62.7 | 64.8 | 66.2 | 68.7 | 70.1 | 70.9 | 71.5 | 71.8 | 71.8 | 72.8 |
| 30.3 | 37.5 | 46.8 | 54.2 | 59.3 | 65.9 | 68.4 | 69.8 | 72.6 | 74.0 | 75.0 | 75.7 | 75.9 | 76.0 | 77.0 |
| 31.5 | 38.6 | 48.6 | 56.9 | 62.5 | 69.5 | 72.3 | 73.8 | 76.7 | 78.3 | 79.3 | 80.0 | 80.2 | 80.3 | 81.3 |
| 31.9 | 39.1 | 49.2 | 58.2 | 64.1 | 71.5 | 74.6 | 76.1 | 79.3 | 80.9 | 81.9 | 82.3 | 82.8 | 82.8 | 83.8 |
| 32.6 | 40.0 | 50.7 | 60.2 | 66.2 | 74.0 | 76.9 | 78.3 | 81.9 | 83.7 | 84.6 | 85.3 | 85.5 | 85.6 | 86.6 |
| 32.8 | 40.2 | 51.0 | 60.5 | 66.8 | 74.8 | 77.8 | 79.4 | 83.0 | 84.8 | 85.8 | 86.4 | 86.7 | 86.7 | 87.7 |
| 32.8 | 40.3 | 51.4 | 61.4 | 67.8 | 75.9 | 79.3 | 81.0 | 84.6 | 86.3 | 87.6 | 88.3 | 88.5 | 88.6 | 89.5 |
| 32.8 | 40.4 | 51.5 | 61.7 | 68.4 | 77.0 | 80.6 | 82.6 | 86.4 | 88.6 | 89.6 | 90.4 | 90.6 | 90.7 | 91.6 |
| 32.9 | 40.5 | 51.7 | 62.0 | 69.3 | 78.4 | 82.4 | 84.4 | 88.5 | 90.7 | 92.0 | 92.8 | 93.1 | 93.1 | 94.1 |
| 32.9 | 40.6 | 51.9 | 62.4 | 69.8 | 79.4 | 83.6 | 86.0 | 90.1 | 92.1 | 94.0 | 94.8 | 95.2 | 95.3 | 96.3 |
| 32.9 | 40.6 | 51.9 | 62.4 | 69.8 | 79.4 | 83.8 | 86.2 | 90.4 | 92.4 | 94.7 | 95.3 | 96.1 | 96.2 | 97.0 |
| 32.9 | 40.6 | 51.9 | 62.4 | 69.8 | 79.4 | 83.8 | 86.2 | 90.4 | 92.6 | 94.9 | 95.9 | 96.8 | 96.9 | 97.9 |
| 32.9 | 40.6 | 51.9 | 62.4 | 69.8 | 79.4 | 83.8 | 86.2 | 90.4 | 92.6 | 94.9 | 95.9 | 96.8 | 96.9 | 97.9 |

TOTAL NUMBER OF OBSERVATIONS

1928

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

34-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 9.7 | 12.4 | 14.3 | 17.2 | 19.0 | 21.6 | 22.8 | 23.5 | 25.1 | 26.4 | 26.8 | 27.2 | 27.5 | 27.5 | 28.2 |
| 11.3 | 14.6 | 16.6 | 19.7 | 21.6 | 24.4 | 25.7 | 26.4 | 28.2 | 29.4 | 29.8 | 30.3 | 30.5 | 30.5 | 31.3 |
| 11.3 | 14.6 | 16.6 | 19.7 | 21.6 | 24.4 | 25.7 | 26.4 | 28.2 | 29.4 | 29.8 | 30.3 | 30.5 | 30.5 | 31.3 |
| 11.4 | 14.7 | 16.7 | 19.9 | 21.8 | 24.6 | 25.9 | 26.6 | 28.4 | 29.6 | 30.0 | 30.3 | 30.7 | 30.7 | 31.5 |
| 11.3 | 14.9 | 16.9 | 20.1 | 22.0 | 24.8 | 26.1 | 26.8 | 28.6 | 29.8 | 30.3 | 30.7 | 30.9 | 30.9 | 31.7 |
| 11.8 | 15.2 | 17.2 | 20.7 | 22.3 | 25.4 | 26.7 | 27.5 | 29.3 | 30.5 | 30.9 | 31.4 | 31.6 | 31.6 | 32.4 |
| 12.0 | 15.4 | 17.5 | 21.0 | 22.9 | 25.9 | 27.3 | 28.1 | 30.0 | 31.2 | 31.6 | 32.1 | 32.3 | 32.3 | 33.2 |
| 12.1 | 15.6 | 17.6 | 21.1 | 23.1 | 26.1 | 27.5 | 28.4 | 30.3 | 31.7 | 32.1 | 32.5 | 32.8 | 32.8 | 33.7 |
| 12.6 | 16.1 | 18.3 | 21.9 | 24.0 | 27.1 | 28.6 | 29.6 | 31.8 | 33.2 | 33.7 | 34.1 | 34.4 | 34.4 | 35.3 |
| 13.4 | 17.0 | 19.3 | 23.2 | 25.6 | 28.7 | 30.3 | 31.6 | 33.8 | 35.3 | 35.7 | 36.4 | 36.6 | 36.6 | 37.6 |
| 15.0 | 18.7 | 21.1 | 25.0 | 27.3 | 30.6 | 32.2 | 33.4 | 35.7 | 37.3 | 37.8 | 38.4 | 38.7 | 38.7 | 39.6 |
| 16.4 | 20.4 | 23.1 | 27.1 | 29.6 | 32.8 | 34.5 | 35.7 | 38.0 | 39.6 | 40.1 | 40.8 | 41.1 | 41.1 | 42.1 |
| 16.8 | 20.8 | 23.6 | 27.7 | 30.3 | 33.7 | 35.4 | 36.6 | 38.9 | 40.5 | 41.0 | 41.7 | 42.0 | 42.0 | 43.0 |
| 18.1 | 22.3 | 25.4 | 29.9 | 32.3 | 36.0 | 37.8 | 39.0 | 41.4 | 43.0 | 43.5 | 44.1 | 44.3 | 44.3 | 45.3 |
| 19.7 | 23.9 | 27.3 | 31.9 | 34.8 | 38.4 | 40.2 | 41.4 | 43.9 | 45.5 | 46.0 | 46.6 | 47.1 | 47.1 | 48.1 |
| 21.0 | 25.9 | 30.0 | 35.4 | 38.6 | 42.4 | 44.2 | 45.5 | 48.2 | 49.8 | 50.3 | 51.0 | 51.3 | 51.3 | 52.4 |
| 22.7 | 28.1 | 32.8 | 38.3 | 41.7 | 45.3 | 47.4 | 48.8 | 51.6 | 53.3 | 53.8 | 54.5 | 55.0 | 55.0 | 56.0 |
| 24.4 | 30.7 | 36.2 | 42.6 | 46.3 | 50.6 | 52.8 | 54.3 | 57.1 | 58.8 | 59.3 | 59.9 | 60.3 | 60.3 | 61.3 |
| 25.2 | 32.7 | 37.8 | 44.4 | 48.1 | 52.4 | 54.7 | 56.3 | 59.0 | 60.7 | 61.3 | 61.9 | 62.4 | 62.4 | 63.4 |
| 27.0 | 34.4 | 40.8 | 47.6 | 51.5 | 56.1 | 58.6 | 60.2 | 63.0 | 64.7 | 65.3 | 65.9 | 66.5 | 66.5 | 67.5 |
| 28.4 | 36.2 | 43.4 | 51.3 | 55.7 | 60.6 | 63.4 | 65.3 | 68.6 | 70.4 | 70.9 | 71.6 | 72.2 | 72.2 | 73.2 |
| 28.7 | 37.1 | 45.1 | 53.8 | 58.1 | 63.2 | 66.5 | 68.4 | 71.8 | 73.7 | 74.3 | 75.1 | 75.7 | 75.7 | 76.7 |
| 28.9 | 37.6 | 45.8 | 55.0 | 59.3 | 64.6 | 68.1 | 70.1 | 73.7 | 75.7 | 76.2 | 77.1 | 77.7 | 77.7 | 78.7 |
| 29.3 | 38.2 | 47.2 | 57.0 | 61.7 | 67.3 | 71.2 | 73.4 | 77.4 | 79.7 | 80.3 | 81.1 | 81.8 | 81.8 | 82.8 |
| 29.3 | 38.6 | 47.8 | 57.9 | 62.6 | 68.5 | 72.5 | 75.3 | 79.6 | 82.1 | 82.8 | 83.7 | 84.4 | 84.4 | 85.3 |
| 29.3 | 38.7 | 48.2 | 58.5 | 63.4 | 70.0 | 74.1 | 76.6 | 81.2 | 83.8 | 84.4 | 85.4 | 86.1 | 86.1 | 87.1 |
| 29.6 | 38.9 | 48.7 | 59.2 | 64.3 | 71.4 | 75.9 | 78.9 | 83.8 | 86.6 | 87.3 | 88.3 | 89.0 | 89.1 | 90.2 |
| 29.7 | 39.0 | 48.7 | 59.4 | 64.8 | 72.1 | 77.1 | 80.3 | 85.3 | 88.2 | 89.1 | 90.2 | 90.9 | 91.0 | 92.1 |
| 29.7 | 39.1 | 48.8 | 59.6 | 65.0 | 73.0 | 78.0 | 81.2 | 86.6 | 89.8 | 90.8 | 91.9 | 92.7 | 92.8 | 93.9 |
| 29.7 | 39.1 | 48.8 | 59.7 | 65.1 | 73.2 | 78.2 | 81.4 | 86.8 | 90.2 | 91.3 | 92.1 | 94.7 | 94.8 | 96.4 |
| 29.7 | 39.1 | 48.8 | 59.7 | 65.1 | 73.2 | 78.2 | 81.4 | 86.9 | 90.6 | 91.9 | 93.8 | 95.4 | 95.5 | 98.1 |
| 29.7 | 39.1 | 48.8 | 59.7 | 65.1 | 73.2 | 78.2 | 81.4 | 86.9 | 90.6 | 91.9 | 93.8 | 95.4 | 95.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1438

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 9.8 | 10.4 | 11.4 | 13.8 | 14.7 | 16.2 | 17.2 | 17.9 | 19.3 | 20.5 | 20.9 | 21.1 | 21.5 | 21.5 | 22.3 |
| 11.8 | 13.6 | 15.0 | 18.5 | 19.6 | 21.1 | 22.2 | 23.1 | 25.4 | 26.7 | 27.1 | 27.3 | 27.8 | 27.8 | 28.9 |
| 11.8 | 13.6 | 15.0 | 18.5 | 19.6 | 21.1 | 22.2 | 23.1 | 25.4 | 26.7 | 27.1 | 27.3 | 27.8 | 27.8 | 28.9 |
| 11.9 | 13.7 | 15.1 | 18.6 | 19.7 | 21.2 | 22.4 | 23.3 | 25.5 | 26.9 | 27.3 | 27.5 | 28.0 | 28.0 | 29.2 |
| 12.1 | 13.9 | 15.4 | 18.9 | 20.0 | 21.6 | 22.7 | 23.6 | 25.9 | 27.3 | 27.7 | 27.9 | 28.4 | 28.4 | 29.5 |
| 12.3 | 14.4 | 16.0 | 19.5 | 20.8 | 22.2 | 23.5 | 24.4 | 26.6 | 28.0 | 28.5 | 28.7 | 29.2 | 29.2 | 30.3 |
| 13.0 | 15.0 | 16.6 | 20.3 | 21.3 | 23.1 | 24.5 | 25.4 | 27.9 | 29.4 | 29.8 | 30.0 | 30.6 | 30.6 | 31.9 |
| 13.6 | 15.6 | 17.2 | 21.0 | 22.1 | 24.0 | 25.3 | 26.3 | 29.0 | 30.7 | 31.1 | 31.3 | 32.0 | 32.0 | 33.2 |
| 14.9 | 17.0 | 18.9 | 22.6 | 23.8 | 25.8 | 27.1 | 28.2 | 31.0 | 32.9 | 33.4 | 33.6 | 34.2 | 34.2 | 35.5 |
| 15.8 | 17.9 | 20.1 | 24.3 | 25.6 | 28.0 | 29.4 | 30.6 | 33.6 | 35.5 | 36.0 | 36.2 | 36.9 | 36.9 | 38.2 |
| 16.6 | 18.7 | 21.0 | 25.4 | 26.9 | 29.3 | 30.9 | 32.1 | 35.0 | 37.1 | 37.6 | 37.8 | 38.4 | 38.4 | 39.7 |
| 17.9 | 20.1 | 22.7 | 27.2 | 28.8 | 31.3 | 33.0 | 34.2 | 37.3 | 39.4 | 39.9 | 40.2 | 40.8 | 40.8 | 42.2 |
| 18.8 | 21.0 | 23.6 | 28.1 | 29.7 | 32.3 | 34.0 | 35.2 | 38.3 | 40.4 | 41.0 | 41.3 | 41.9 | 41.9 | 43.3 |
| 19.2 | 21.6 | 24.3 | 29.1 | 30.8 | 33.7 | 35.5 | 36.7 | 39.8 | 42.0 | 42.7 | 43.0 | 43.6 | 43.6 | 45.0 |
| 20.8 | 23.1 | 26.0 | 30.9 | 32.7 | 35.8 | 37.6 | 38.9 | 42.0 | 44.2 | 44.9 | 45.2 | 45.8 | 45.8 | 47.2 |
| 22.3 | 25.4 | 28.5 | 33.6 | 35.6 | 38.7 | 40.6 | 42.0 | 45.3 | 47.7 | 48.4 | 48.8 | 49.5 | 49.5 | 50.9 |
| 23.8 | 27.2 | 30.8 | 35.9 | 38.0 | 41.4 | 43.4 | 44.8 | 48.2 | 50.8 | 51.5 | 52.0 | 52.7 | 52.7 | 54.1 |
| 25.6 | 29.8 | 33.5 | 39.5 | 41.5 | 45.5 | 47.7 | 49.3 | 52.8 | 55.5 | 56.2 | 56.7 | 57.5 | 57.5 | 58.9 |
| 26.7 | 31.3 | 35.4 | 41.5 | 43.6 | 47.7 | 50.0 | 51.6 | 55.4 | 58.1 | 58.9 | 59.4 | 60.1 | 60.1 | 61.5 |
| 28.7 | 34.0 | 38.5 | 45.0 | 47.3 | 51.5 | 54.2 | 55.9 | 59.8 | 62.9 | 63.6 | 64.1 | 64.9 | 64.9 | 66.3 |
| 30.3 | 36.9 | 42.0 | 49.4 | 51.9 | 56.3 | 59.4 | 61.0 | 65.2 | 68.4 | 69.2 | 69.7 | 70.4 | 70.4 | 71.9 |
| 31.2 | 38.5 | 44.2 | 52.6 | 55.1 | 60.0 | 63.2 | 65.0 | 69.7 | 72.9 | 73.7 | 74.3 | 75.1 | 75.1 | 76.7 |
| 31.6 | 39.2 | 45.3 | 53.8 | 56.4 | 61.9 | 65.5 | 67.3 | 72.5 | 75.8 | 76.5 | 77.2 | 78.0 | 78.1 | 79.5 |
| 32.2 | 40.2 | 47.0 | 56.2 | 58.9 | 64.8 | 68.7 | 70.7 | 76.3 | 79.8 | 80.7 | 81.4 | 82.2 | 82.3 | 83.9 |
| 32.3 | 40.6 | 47.5 | 57.1 | 59.9 | 65.9 | 70.4 | 72.5 | 78.3 | 82.0 | 82.9 | 83.7 | 84.8 | 84.9 | 86.5 |
| 32.3 | 40.8 | 47.8 | 57.3 | 60.3 | 66.6 | 71.2 | 73.7 | 79.8 | 83.7 | 84.7 | 85.6 | 86.8 | 86.9 | 88.5 |
| 32.3 | 40.8 | 47.9 | 57.7 | 60.7 | 67.1 | 72.0 | 74.6 | 81.0 | 85.4 | 86.7 | 87.8 | 88.9 | 89.1 | 90.7 |
| 32.3 | 40.8 | 47.9 | 57.9 | 61.1 | 68.0 | 73.0 | 75.8 | 82.6 | 87.4 | 88.8 | 90.0 | 91.3 | 91.5 | 93.1 |
| 32.3 | 40.8 | 47.9 | 58.0 | 61.4 | 68.3 | 73.4 | 76.3 | 83.5 | 89.0 | 90.7 | 92.2 | 93.8 | 94.0 | 95.7 |
| 32.3 | 40.8 | 47.9 | 58.0 | 61.5 | 68.4 | 73.5 | 76.5 | 83.7 | 89.3 | 91.2 | 92.9 | 93.5 | 93.7 | 95.7 |
| 32.3 | 40.8 | 47.9 | 58.0 | 61.5 | 68.4 | 73.5 | 76.5 | 83.8 | 89.4 | 91.3 | 93.1 | 93.7 | 93.9 | 95.7 |
| 32.3 | 40.8 | 47.9 | 58.0 | 61.5 | 68.4 | 73.5 | 76.5 | 83.8 | 89.4 | 91.3 | 93.1 | 93.7 | 93.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1427

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEYBACH AB GERMANY

54-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 11.2 | 14.0 | 16.1 | 18.6 | 20.1 | 22.0 | 22.5 | 23.1 | 24.1 | 24.4 | 24.4 | 24.4 | 24.4 | 24.5 | 24.6 |
| 15.0 | 18.2 | 20.8 | 24.3 | 25.9 | 28.2 | 29.0 | 29.7 | 30.9 | 31.3 | 31.4 | 31.4 | 31.4 | 31.5 | 31.6 |
| 15.0 | 18.2 | 20.8 | 24.3 | 25.9 | 28.2 | 29.0 | 29.7 | 30.9 | 31.3 | 31.4 | 31.4 | 31.4 | 31.5 | 31.6 |
| 15.1 | 18.2 | 20.9 | 24.4 | 26.0 | 28.3 | 29.1 | 29.8 | 31.0 | 31.4 | 31.4 | 31.4 | 31.4 | 31.6 | 31.7 |
| 15.4 | 18.6 | 21.3 | 24.8 | 26.4 | 28.7 | 29.5 | 30.2 | 31.4 | 31.8 | 31.9 | 31.9 | 31.9 | 32.0 | 32.1 |
| 16.0 | 19.4 | 22.2 | 25.8 | 27.4 | 29.8 | 30.5 | 31.2 | 32.5 | 32.8 | 32.9 | 32.9 | 33.0 | 33.1 | 33.2 |
| 16.6 | 19.9 | 22.9 | 26.9 | 28.5 | 31.0 | 32.0 | 32.9 | 34.3 | 34.7 | 34.7 | 34.7 | 34.8 | 34.9 | 35.0 |
| 17.0 | 20.4 | 23.4 | 27.4 | 29.0 | 31.7 | 32.7 | 33.7 | 35.3 | 35.9 | 35.9 | 36.0 | 36.1 | 36.1 | 36.3 |
| 18.5 | 22.3 | 25.8 | 29.9 | 31.7 | 34.5 | 35.6 | 36.6 | 38.3 | 38.9 | 38.9 | 39.0 | 39.1 | 39.2 | 39.3 |
| 19.4 | 23.4 | 26.9 | 31.2 | 33.1 | 36.1 | 37.1 | 38.1 | 39.9 | 40.5 | 40.6 | 40.6 | 40.7 | 40.8 | 40.9 |
| 20.5 | 24.6 | 28.4 | 32.7 | 34.6 | 37.7 | 38.9 | 39.9 | 41.8 | 42.4 | 42.5 | 42.5 | 42.6 | 42.7 | 42.8 |
| 22.2 | 26.5 | 30.3 | 34.8 | 36.7 | 40.0 | 41.3 | 42.3 | 44.2 | 44.8 | 44.8 | 44.9 | 45.0 | 45.1 | 45.2 |
| 22.4 | 26.9 | 30.8 | 35.3 | 37.2 | 40.5 | 41.8 | 42.8 | 44.7 | 45.3 | 45.3 | 45.4 | 45.5 | 45.5 | 45.7 |
| 23.9 | 28.5 | 32.5 | 37.1 | 38.9 | 42.3 | 43.6 | 44.6 | 46.7 | 47.3 | 47.4 | 47.5 | 47.6 | 47.6 | 47.8 |
| 24.9 | 29.5 | 33.7 | 38.3 | 40.2 | 43.7 | 45.0 | 46.2 | 48.4 | 48.9 | 49.0 | 49.1 | 49.2 | 49.3 | 49.4 |
| 27.4 | 32.2 | 36.7 | 41.5 | 43.4 | 46.9 | 48.4 | 49.6 | 51.7 | 52.4 | 52.5 | 52.6 | 52.7 | 52.8 | 52.9 |
| 30.6 | 35.9 | 40.6 | 45.6 | 47.5 | 51.4 | 53.0 | 54.3 | 56.6 | 57.3 | 57.4 | 57.5 | 57.6 | 57.7 | 57.8 |
| 34.0 | 39.9 | 45.4 | 50.9 | 53.3 | 57.3 | 59.2 | 60.3 | 62.8 | 63.5 | 63.6 | 63.9 | 63.9 | 64.0 | 64.1 |
| 35.5 | 41.4 | 47.4 | 52.9 | 55.4 | 59.7 | 61.5 | 62.9 | 65.2 | 66.0 | 66.2 | 66.5 | 66.6 | 66.7 | 66.8 |
| 38.0 | 45.2 | 51.7 | 57.5 | 60.0 | 64.6 | 66.5 | 67.9 | 70.5 | 71.4 | 71.8 | 72.1 | 72.1 | 72.2 | 72.4 |
| 41.1 | 49.3 | 56.7 | 63.1 | 66.0 | 71.4 | 73.8 | 75.4 | 78.3 | 79.4 | 79.9 | 80.2 | 80.3 | 80.4 | 80.5 |
| 41.5 | 50.3 | 58.2 | 65.1 | 68.3 | 73.8 | 76.6 | 78.3 | 81.3 | 82.3 | 82.8 | 83.2 | 83.4 | 83.4 | 83.6 |
| 41.5 | 50.7 | 59.0 | 66.0 | 69.4 | 75.0 | 78.0 | 79.9 | 83.0 | 84.3 | 84.8 | 85.1 | 85.2 | 85.3 | 85.4 |
| 41.8 | 51.4 | 60.0 | 67.8 | 71.3 | 77.1 | 80.4 | 82.5 | 85.8 | 87.4 | 88.0 | 88.4 | 88.5 | 88.6 | 88.7 |
| 42.4 | 52.3 | 61.0 | 69.4 | 73.1 | 79.1 | 82.5 | 84.9 | 88.4 | 90.4 | 91.2 | 91.6 | 91.8 | 91.9 | 92.0 |
| 42.5 | 52.4 | 61.1 | 69.5 | 73.4 | 79.6 | 83.4 | 85.9 | 89.6 | 91.9 | 92.7 | 93.1 | 93.3 | 93.5 | 93.7 |
| 42.5 | 52.5 | 61.3 | 69.9 | 73.9 | 80.1 | 84.1 | 86.7 | 90.7 | 93.1 | 93.9 | 94.3 | 94.7 | 94.8 | 94.9 |
| 42.5 | 52.5 | 61.3 | 70.0 | 74.1 | 80.7 | 85.1 | 87.9 | 92.4 | 94.9 | 95.9 | 96.4 | 97.1 | 97.2 | 97.4 |
| 42.5 | 52.5 | 61.3 | 70.0 | 74.1 | 80.9 | 85.4 | 88.4 | 93.2 | 96.2 | 97.1 | 97.7 | 98.6 | 98.7 | 98.9 |
| 42.5 | 52.5 | 61.3 | 70.0 | 74.1 | 80.9 | 85.5 | 88.5 | 93.3 | 96.3 | 97.3 | 97.9 | 98.8 | 98.9 | 99.2 |
| 42.5 | 52.5 | 61.3 | 70.0 | 74.1 | 80.9 | 85.5 | 88.5 | 93.4 | 96.4 | 97.5 | 98.0 | 98.9 | 99.1 | 99.4 |
| 42.5 | 52.5 | 61.3 | 70.0 | 74.1 | 80.9 | 85.5 | 88.5 | 93.4 | 96.4 | 97.5 | 98.0 | 98.9 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1425

1

CEILING VERSUS VISIBILITY

34050 SEIBAC- AB GERMANY

54-72

24. 25. 26.

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOUR OBSERVATIONS

1500-1700

| | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 19.9 | 16.7 | 19.6 | 22.2 | 23.5 | 25.2 | 26.9 | 26.5 | 27.4 | 27.7 | 27.7 | 27.7 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 |
| 20.5 | 23.9 | 27.2 | 30.5 | 32.4 | 34.8 | 35.9 | 36.6 | 37.6 | 38.0 | 38.0 | 38.0 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 |
| 20.6 | 24.0 | 27.2 | 30.5 | 32.4 | 34.8 | 36.2 | 36.7 | 37.7 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 |
| 20.9 | 24.3 | 27.5 | 30.8 | 32.7 | 35.1 | 36.9 | 36.9 | 38.0 | 38.3 | 38.3 | 38.3 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 |
| 21.1 | 24.5 | 27.7 | 31.1 | 33.0 | 35.4 | 36.5 | 37.2 | 38.3 | 38.6 | 38.6 | 38.6 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 |
| 21.6 | 25.1 | 28.4 | 32.1 | 34.0 | 36.5 | 37.9 | 38.3 | 39.4 | 39.7 | 39.7 | 39.7 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 |
| 22.5 | 26.1 | 29.7 | 33.4 | 35.3 | 37.9 | 39.1 | 39.8 | 40.9 | 41.2 | 41.2 | 41.2 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 |
| 23.4 | 27.0 | 30.7 | 34.5 | 36.4 | 39.2 | 40.4 | 41.2 | 42.3 | 42.7 | 42.7 | 42.7 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| 24.3 | 27.9 | 31.8 | 36.5 | 37.9 | 40.7 | 42.3 | 43.0 | 44.4 | 44.7 | 44.7 | 44.7 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 |
| 25.6 | 29.4 | 33.3 | 37.8 | 40.0 | 42.9 | 44.6 | 45.3 | 46.7 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| 26.6 | 30.5 | 34.6 | 39.3 | 41.6 | 44.6 | 46.3 | 47.0 | 48.4 | 48.7 | 48.7 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| 28.3 | 32.3 | 36.4 | 41.2 | 43.5 | 46.6 | 48.4 | 49.1 | 50.5 | 50.8 | 50.8 | 50.8 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |
| 29.3 | 33.4 | 37.5 | 42.2 | 44.6 | 47.6 | 49.4 | 50.1 | 51.5 | 52.0 | 52.0 | 52.0 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 30.7 | 35.0 | 39.3 | 44.0 | 46.3 | 49.5 | 51.4 | 52.2 | 53.7 | 54.1 | 54.1 | 54.1 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| 32.3 | 36.8 | 41.2 | 46.1 | 48.5 | 51.8 | 53.7 | 54.6 | 56.0 | 56.5 | 56.5 | 56.5 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| 36.1 | 41.1 | 45.6 | 51.1 | 53.4 | 56.8 | 58.8 | 59.6 | 61.2 | 61.6 | 61.6 | 61.6 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| 38.5 | 44.2 | 48.7 | 53.9 | 57.4 | 61.0 | 62.9 | 63.8 | 65.4 | 65.8 | 65.8 | 65.8 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| 41.5 | 47.3 | 52.4 | 58.1 | 61.5 | 65.1 | 67.3 | 68.2 | 70.0 | 70.4 | 70.4 | 70.4 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| 42.5 | 48.6 | 54.0 | 61.2 | 63.5 | 67.4 | 69.7 | 71.0 | 72.5 | 73.0 | 73.0 | 73.0 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| 44.2 | 50.5 | 56.5 | 63.6 | 66.3 | 70.4 | 72.7 | 74.2 | 75.7 | 76.2 | 76.2 | 76.2 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| 45.8 | 53.5 | 60.4 | 68.4 | 70.7 | 73.4 | 75.4 | 75.7 | 81.6 | 82.3 | 82.3 | 82.3 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 46.4 | 54.9 | 62.2 | 70.4 | 73.5 | 78.4 | 81.5 | 83.3 | 85.3 | 86.3 | 86.3 | 86.3 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| 46.6 | 55.2 | 62.5 | 71.2 | 74.5 | 79.4 | 82.9 | 84.6 | 87.2 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 47.0 | 55.6 | 63.3 | 72.4 | 75.6 | 81.8 | 84.4 | 86.7 | 89.4 | 90.4 | 90.4 | 90.4 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| 47.1 | 55.7 | 63.3 | 73.3 | 76.4 | 82.7 | 85.3 | 87.6 | 90.7 | 91.7 | 91.7 | 91.7 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| 47.1 | 56.0 | 64.3 | 73.9 | 77.5 | 82.7 | 86.3 | 88.6 | 91.9 | 93.3 | 93.3 | 93.3 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | 87.2 | 89.5 | 92.9 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 47.1 | 56.2 | 64.3 | 74.2 | 77.5 | 83.6 | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

1424

SAFETY DATA SHEET (SDS) for the product, which is available at the following URL: <http://www.3M.com>. The SDS is available in English and Spanish.

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-08

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 16.5 | 19.8 | 23.9 | 28.4 | 30.7 | 33.6 | 34.8 | 36.5 | 37.4 | 37.8 | 38.0 | 38.0 | 38.3 | 38.3 | 38.9 |
| 18.9 | 22.4 | 27.2 | 32.2 | 35.0 | 38.0 | 39.1 | 40.9 | 41.9 | 42.3 | 42.4 | 42.8 | 42.9 | 42.9 | 43.5 |
| 19.1 | 22.6 | 27.4 | 32.4 | 35.2 | 38.2 | 39.4 | 41.2 | 42.1 | 42.5 | 42.7 | 42.8 | 43.1 | 43.1 | 43.7 |
| 19.1 | 22.6 | 27.5 | 32.5 | 35.3 | 38.3 | 39.4 | 41.2 | 42.2 | 42.6 | 42.8 | 42.9 | 43.2 | 43.2 | 43.8 |
| 19.4 | 22.8 | 27.7 | 32.8 | 35.5 | 38.5 | 39.7 | 41.5 | 42.4 | 42.8 | 43.0 | 43.1 | 43.5 | 43.5 | 44.0 |
| 19.8 | 23.3 | 28.2 | 33.2 | 36.1 | 39.1 | 40.3 | 42.1 | 43.1 | 43.5 | 43.6 | 43.8 | 44.1 | 44.1 | 44.6 |
| 20.5 | 24.3 | 29.3 | 34.6 | 37.6 | 40.6 | 41.8 | 43.6 | 44.7 | 45.2 | 45.4 | 45.5 | 45.8 | 45.8 | 46.4 |
| 21.0 | 24.9 | 30.1 | 35.8 | 38.7 | 42.2 | 43.5 | 45.3 | 46.4 | 46.9 | 47.0 | 47.2 | 47.5 | 47.5 | 48.0 |
| 22.1 | 26.2 | 31.0 | 37.4 | 40.3 | 44.1 | 45.7 | 47.6 | 48.7 | 49.1 | 49.3 | 49.4 | 49.8 | 49.8 | 50.3 |
| 23.6 | 27.9 | 33.9 | 39.9 | 43.3 | 47.2 | 49.0 | 50.9 | 52.1 | 52.6 | 52.8 | 52.9 | 53.2 | 53.3 | 53.9 |
| 25.4 | 30.1 | 36.1 | 42.5 | 45.9 | 49.8 | 51.6 | 53.5 | 54.7 | 55.2 | 55.4 | 55.5 | 55.8 | 55.9 | 56.5 |
| 26.5 | 31.2 | 37.3 | 43.9 | 47.4 | 51.4 | 53.2 | 55.1 | 56.4 | 56.9 | 57.1 | 57.3 | 57.7 | 57.8 | 58.3 |
| 27.3 | 32.1 | 38.3 | 45.0 | 48.8 | 52.9 | 54.7 | 56.6 | 57.9 | 58.3 | 58.6 | 58.8 | 59.2 | 59.3 | 59.8 |
| 28.7 | 33.6 | 40.2 | 46.9 | 50.7 | 54.9 | 56.9 | 58.8 | 60.1 | 60.6 | 60.8 | 61.0 | 61.4 | 61.5 | 62.0 |
| 29.9 | 35.0 | 41.7 | 49.1 | 53.1 | 57.3 | 59.4 | 61.3 | 62.6 | 63.1 | 63.3 | 63.5 | 63.9 | 64.0 | 64.6 |
| 31.3 | 36.7 | 43.5 | 52.0 | 56.1 | 60.5 | 62.6 | 64.6 | 65.8 | 66.4 | 66.6 | 66.9 | 67.2 | 67.3 | 67.9 |
| 32.4 | 38.0 | 45.3 | 54.4 | 58.7 | 63.5 | 65.8 | 67.9 | 69.2 | 69.8 | 70.0 | 70.2 | 70.6 | 70.7 | 71.3 |
| 33.6 | 39.9 | 47.6 | 57.6 | 62.1 | 67.2 | 69.6 | 71.8 | 73.1 | 73.7 | 73.9 | 74.2 | 74.6 | 74.6 | 75.2 |
| 34.2 | 40.6 | 48.3 | 58.9 | 63.5 | 68.6 | 71.1 | 73.3 | 74.6 | 75.2 | 75.4 | 75.7 | 76.1 | 76.1 | 76.7 |
| 35.3 | 41.9 | 50.0 | 60.8 | 65.4 | 70.7 | 73.2 | 75.5 | 77.1 | 77.6 | 77.9 | 78.1 | 78.6 | 78.7 | 79.2 |
| 36.3 | 43.5 | 52.4 | 64.0 | 68.7 | 74.4 | 76.9 | 79.3 | 81.1 | 81.8 | 82.0 | 82.3 | 82.8 | 82.9 | 83.5 |
| 36.7 | 44.0 | 53.2 | 65.2 | 70.1 | 76.1 | 78.7 | 81.1 | 83.1 | 83.8 | 84.0 | 84.3 | 84.9 | 85.0 | 85.5 |
| 37.0 | 44.5 | 54.1 | 66.4 | 71.3 | 77.4 | 80.0 | 82.5 | 84.5 | 85.2 | 85.4 | 85.7 | 86.3 | 86.4 | 86.9 |
| 37.0 | 44.6 | 54.6 | 67.0 | 72.3 | 78.4 | 81.0 | 84.0 | 86.8 | 87.5 | 87.7 | 88.0 | 88.6 | 88.7 | 89.2 |
| 37.2 | 44.9 | 55.1 | 68.0 | 73.6 | 80.8 | 83.5 | 86.5 | 88.4 | 89.2 | 89.4 | 89.7 | 90.3 | 90.4 | 90.9 |
| 37.2 | 45.0 | 55.4 | 68.4 | 74.2 | 81.7 | 84.6 | 87.6 | 90.0 | 90.8 | 91.0 | 91.3 | 91.9 | 92.0 | 92.5 |
| 37.3 | 45.2 | 55.7 | 69.2 | 75.0 | 82.8 | 85.8 | 88.8 | 91.6 | 92.8 | 93.1 | 93.3 | 93.9 | 94.0 | 94.6 |
| 37.3 | 45.2 | 55.7 | 69.2 | 75.0 | 83.0 | 86.1 | 89.3 | 92.3 | 93.6 | 93.9 | 94.3 | 94.9 | 95.0 | 95.5 |
| 37.3 | 45.2 | 55.7 | 69.2 | 75.4 | 83.7 | 87.2 | 90.4 | 93.6 | 95.0 | 95.3 | 95.6 | 96.0 | 97.0 | 97.6 |
| 37.3 | 45.2 | 55.7 | 69.2 | 75.4 | 83.7 | 87.2 | 90.5 | 93.9 | 95.4 | 95.7 | 96.2 | 97.2 | 97.5 | 98.2 |
| 37.3 | 45.2 | 55.7 | 69.2 | 75.4 | 83.7 | 87.2 | 90.5 | 93.9 | 95.4 | 95.9 | 96.4 | 97.4 | 97.6 | 98.7 |
| 37.3 | 45.2 | 55.7 | 69.2 | 75.4 | 83.7 | 87.2 | 90.5 | 93.9 | 95.4 | 95.9 | 96.4 | 97.6 | 97.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1270

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-68

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 22.7 | 27.1 | 31.8 | 36.1 | 38.3 | 40.7 | 41.4 | 41.9 | 42.1 | 42.2 | 42.2 | 42.3 | 42.4 | 42.4 | 42.9 |
| 25.6 | 30.7 | 35.8 | 40.9 | 43.3 | 46.0 | 46.7 | 47.2 | 47.4 | 47.5 | 47.5 | 47.6 | 47.7 | 47.7 | 48.2 |
| 25.6 | 30.7 | 35.8 | 40.9 | 43.3 | 46.0 | 46.7 | 47.2 | 47.4 | 47.5 | 47.5 | 47.6 | 47.7 | 47.7 | 48.2 |
| 25.9 | 31.1 | 36.3 | 41.6 | 44.0 | 46.7 | 47.4 | 47.9 | 48.1 | 48.2 | 48.2 | 48.3 | 48.5 | 48.5 | 49.0 |
| 26.5 | 31.9 | 37.1 | 42.4 | 44.8 | 47.5 | 48.2 | 48.7 | 48.9 | 49.0 | 49.0 | 49.1 | 49.2 | 49.2 | 49.7 |
| 27.3 | 32.8 | 38.2 | 43.7 | 46.2 | 48.9 | 49.5 | 50.0 | 50.3 | 50.4 | 50.4 | 50.5 | 50.6 | 50.6 | 51.1 |
| 28.2 | 33.7 | 39.1 | 44.8 | 47.5 | 50.3 | 50.9 | 51.5 | 51.7 | 51.8 | 51.8 | 51.9 | 52.0 | 52.0 | 52.5 |
| 29.7 | 35.3 | 40.8 | 46.7 | 49.4 | 52.1 | 52.8 | 53.3 | 53.5 | 53.7 | 53.7 | 53.8 | 53.9 | 53.9 | 54.5 |
| 32.0 | 38.1 | 43.7 | 49.7 | 52.6 | 55.4 | 56.1 | 56.8 | 57.1 | 57.3 | 57.3 | 57.4 | 57.6 | 57.6 | 58.1 |
| 34.1 | 40.3 | 45.8 | 52.1 | 55.1 | 58.1 | 58.8 | 59.3 | 59.7 | 60.0 | 60.0 | 60.1 | 60.2 | 60.2 | 60.8 |
| 35.6 | 42.7 | 48.3 | 55.1 | 58.1 | 61.1 | 61.9 | 62.6 | 62.8 | 63.1 | 63.1 | 63.2 | 63.3 | 63.3 | 63.9 |
| 36.7 | 43.9 | 50.0 | 57.1 | 60.4 | 63.5 | 64.3 | 65.1 | 65.3 | 65.6 | 65.6 | 65.7 | 65.8 | 65.8 | 66.6 |
| 38.4 | 46.0 | 52.3 | 59.7 | 63.2 | 66.4 | 67.2 | 68.0 | 68.2 | 68.5 | 68.5 | 68.7 | 68.7 | 68.7 | 69.5 |
| 39.9 | 47.7 | 54.3 | 61.9 | 65.4 | 68.7 | 69.5 | 70.3 | 70.5 | 70.8 | 70.8 | 70.9 | 71.0 | 71.0 | 71.8 |
| 41.1 | 49.5 | 57.1 | 64.8 | 68.6 | 72.1 | 73.0 | 73.8 | 74.0 | 74.3 | 74.3 | 74.3 | 74.5 | 74.5 | 75.3 |
| 43.3 | 52.0 | 59.7 | 68.2 | 72.1 | 75.7 | 76.6 | 77.3 | 77.6 | 77.8 | 77.8 | 77.9 | 78.1 | 78.1 | 78.9 |
| 45.7 | 54.9 | 63.1 | 72.0 | 76.3 | 80.1 | 80.9 | 81.8 | 82.0 | 82.4 | 82.4 | 82.4 | 82.6 | 82.6 | 83.4 |
| 45.8 | 55.2 | 63.6 | 72.6 | 77.0 | 80.9 | 81.9 | 82.8 | 83.0 | 83.4 | 83.4 | 83.4 | 83.6 | 83.6 | 84.4 |
| 46.9 | 56.8 | 65.8 | 74.9 | 79.4 | 83.3 | 84.4 | 85.4 | 85.6 | 85.9 | 85.9 | 86.0 | 86.2 | 86.2 | 87.0 |
| 47.8 | 58.3 | 68.7 | 78.1 | 82.7 | 86.9 | 88.1 | 89.0 | 89.4 | 89.7 | 89.7 | 89.9 | 90.0 | 90.0 | 90.8 |
| 48.3 | 59.4 | 70.1 | 79.7 | 84.4 | 88.7 | 90.0 | 91.0 | 91.3 | 91.7 | 91.7 | 91.8 | 92.0 | 92.0 | 92.8 |
| 48.5 | 59.6 | 70.6 | 80.4 | 85.1 | 89.3 | 90.8 | 91.8 | 92.1 | 92.5 | 92.5 | 92.6 | 92.8 | 92.8 | 93.6 |
| 48.6 | 59.7 | 71.0 | 81.3 | 86.2 | 90.7 | 91.9 | 92.9 | 93.3 | 93.6 | 93.6 | 93.8 | 94.0 | 94.0 | 94.8 |
| 48.8 | 60.0 | 71.6 | 82.2 | 87.2 | 92.0 | 93.2 | 94.3 | 94.7 | 95.1 | 95.1 | 95.2 | 95.4 | 95.4 | 96.3 |
| 49.0 | 60.6 | 72.3 | 82.9 | 88.2 | 93.3 | 94.5 | 95.6 | 96.0 | 96.3 | 96.3 | 96.5 | 96.7 | 96.7 | 97.6 |
| 49.0 | 60.6 | 72.3 | 83.2 | 88.5 | 94.0 | 95.2 | 96.3 | 96.7 | 97.1 | 97.1 | 97.2 | 97.4 | 97.4 | 98.3 |
| 49.0 | 60.6 | 72.3 | 83.3 | 88.6 | 94.1 | 95.3 | 96.3 | 96.9 | 97.6 | 97.6 | 97.7 | 98.0 | 98.0 | 98.9 |
| 49.0 | 60.6 | 72.3 | 83.3 | 88.6 | 94.1 | 95.3 | 96.6 | 97.3 | 98.1 | 98.1 | 98.2 | 98.5 | 98.5 | 99.4 |
| 49.0 | 60.6 | 72.3 | 83.3 | 88.6 | 94.1 | 95.3 | 96.6 | 97.3 | 98.1 | 98.1 | 98.2 | 98.6 | 98.6 | 99.4 |
| 49.0 | 60.6 | 72.3 | 83.3 | 88.6 | 94.1 | 95.3 | 96.6 | 97.3 | 98.1 | 98.1 | 98.3 | 98.8 | 98.8 | 99.8 |
| 49.0 | 60.6 | 72.3 | 83.3 | 88.6 | 94.1 | 95.3 | 96.6 | 97.3 | 98.1 | 98.1 | 98.3 | 98.8 | 98.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1995

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0300

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 19.5 | 22.7 | 27.3 | 32.0 | 33.7 | 37.1 | 38.2 | 38.7 | 39.5 | 39.7 | 39.9 | 39.9 | 40.3 | 40.5 | 41.1 |
| 21.5 | 25.5 | 30.2 | 35.1 | 36.9 | 40.5 | 41.6 | 42.2 | 43.0 | 43.2 | 43.4 | 43.5 | 43.9 | 44.0 | 44.6 |
| 21.5 | 25.5 | 30.2 | 35.1 | 36.9 | 40.5 | 41.7 | 42.3 | 43.1 | 43.3 | 43.5 | 43.5 | 43.9 | 44.1 | 44.7 |
| 21.5 | 25.5 | 30.2 | 35.3 | 37.1 | 40.7 | 41.9 | 42.5 | 43.3 | 43.6 | 43.7 | 43.7 | 44.2 | 44.4 | 45.0 |
| 21.6 | 25.6 | 30.3 | 35.5 | 37.3 | 41.0 | 42.2 | 42.8 | 43.6 | 43.9 | 44.0 | 44.0 | 44.5 | 44.6 | 45.2 |
| 22.1 | 26.1 | 31.0 | 36.3 | 38.1 | 41.9 | 43.2 | 43.8 | 44.6 | 45.0 | 45.1 | 45.1 | 45.6 | 45.7 | 46.3 |
| 22.7 | 26.8 | 31.8 | 37.3 | 39.3 | 43.2 | 44.5 | 45.1 | 45.9 | 46.3 | 46.4 | 46.4 | 46.9 | 47.0 | 47.6 |
| 24.2 | 28.4 | 33.4 | 39.0 | 41.0 | 45.2 | 46.5 | 47.1 | 47.9 | 48.2 | 48.4 | 48.4 | 48.8 | 49.0 | 49.6 |
| 26.1 | 30.7 | 35.8 | 41.5 | 43.7 | 48.0 | 49.3 | 49.9 | 50.7 | 51.3 | 51.4 | 51.4 | 51.9 | 52.0 | 52.9 |
| 27.3 | 32.1 | 37.1 | 43.0 | 45.5 | 49.9 | 51.2 | 51.8 | 52.7 | 53.2 | 53.3 | 53.3 | 53.8 | 53.9 | 54.8 |
| 29.0 | 34.2 | 39.7 | 45.8 | 48.5 | 53.1 | 54.4 | 55.1 | 56.0 | 56.5 | 56.7 | 56.7 | 57.2 | 57.3 | 58.2 |
| 29.5 | 34.9 | 40.4 | 46.5 | 49.7 | 54.6 | 56.1 | 56.7 | 57.6 | 58.2 | 58.4 | 58.4 | 58.8 | 59.0 | 59.9 |
| 30.9 | 36.5 | 42.9 | 49.3 | 52.7 | 57.6 | 59.2 | 59.9 | 60.7 | 61.3 | 61.5 | 61.5 | 62.0 | 62.1 | 63.0 |
| 32.4 | 38.8 | 45.6 | 52.2 | 55.9 | 60.9 | 62.5 | 63.2 | 64.1 | 64.6 | 64.8 | 64.8 | 65.3 | 65.4 | 66.3 |
| 33.7 | 40.4 | 47.9 | 54.6 | 58.7 | 63.9 | 65.5 | 66.2 | 67.1 | 67.6 | 67.8 | 67.8 | 68.3 | 68.4 | 69.3 |
| 35.0 | 43.1 | 51.2 | 58.2 | 62.7 | 68.0 | 69.7 | 70.3 | 71.2 | 71.8 | 72.0 | 72.0 | 72.4 | 72.6 | 73.5 |
| 38.0 | 46.4 | 55.2 | 62.7 | 67.1 | 72.7 | 74.3 | 75.0 | 75.9 | 76.4 | 76.7 | 76.7 | 77.1 | 77.3 | 78.2 |
| 38.7 | 47.8 | 56.8 | 64.3 | 69.1 | 74.8 | 76.5 | 77.1 | 78.0 | 78.6 | 78.8 | 78.8 | 79.3 | 79.5 | 80.3 |
| 39.5 | 49.2 | 58.3 | 66.1 | 71.2 | 76.9 | 78.6 | 79.3 | 80.2 | 80.7 | 81.0 | 81.0 | 81.6 | 81.7 | 82.6 |
| 41.0 | 52.0 | 62.2 | 70.6 | 75.8 | 81.8 | 83.5 | 84.2 | 85.2 | 85.7 | 86.0 | 86.0 | 86.5 | 86.7 | 87.6 |
| 41.2 | 52.9 | 63.1 | 71.8 | 77.1 | 83.3 | 85.1 | 85.8 | 86.8 | 87.3 | 87.6 | 87.6 | 88.2 | 88.3 | 89.2 |
| 41.8 | 53.5 | 63.9 | 73.0 | 78.3 | 85.0 | 86.7 | 87.4 | 88.4 | 89.0 | 89.3 | 89.3 | 89.8 | 89.9 | 90.8 |
| 42.4 | 54.4 | 65.3 | 74.6 | 80.4 | 87.1 | 89.0 | 89.8 | 90.9 | 91.4 | 91.7 | 91.8 | 92.3 | 92.4 | 93.3 |
| 42.5 | 54.9 | 66.0 | 76.0 | 82.0 | 89.2 | 91.1 | 91.8 | 93.0 | 93.5 | 93.9 | 93.9 | 94.5 | 94.6 | 95.5 |
| 42.6 | 55.1 | 66.2 | 76.3 | 82.7 | 89.9 | 91.9 | 92.7 | 93.8 | 94.4 | 94.7 | 94.8 | 95.3 | 95.4 | 96.3 |
| 42.7 | 55.2 | 66.3 | 76.4 | 82.8 | 90.4 | 92.5 | 93.3 | 94.4 | 95.1 | 95.4 | 95.5 | 96.1 | 96.3 | 97.1 |
| 42.7 | 55.2 | 66.3 | 76.5 | 83.0 | 90.6 | 92.7 | 93.5 | 94.8 | 95.6 | 95.9 | 96.0 | 96.6 | 96.7 | 97.6 |
| 42.7 | 55.2 | 66.3 | 76.5 | 83.1 | 90.8 | 93.1 | 93.8 | 95.4 | 96.3 | 96.8 | 96.9 | 97.5 | 97.6 | 98.5 |
| 42.7 | 55.2 | 66.3 | 76.5 | 83.2 | 91.0 | 93.3 | 94.1 | 95.7 | 96.7 | 97.1 | 97.2 | 97.8 | 97.9 | 98.8 |
| 42.7 | 55.2 | 66.3 | 76.5 | 83.2 | 91.0 | 93.3 | 94.1 | 95.8 | 96.9 | 97.3 | 97.4 | 98.0 | 98.2 | 99.4 |
| 42.7 | 55.2 | 66.3 | 76.5 | 83.2 | 91.0 | 93.3 | 94.1 | 95.8 | 96.9 | 97.3 | 97.6 | 98.2 | 98.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1470

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

34-72

PAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 14.3 | 17.0 | 20.6 | 24.9 | 26.1 | 28.3 | 29.6 | 30.1 | 31.6 | 32.6 | 32.8 | 33.1 | 33.4 | 33.4 | 33.8 |
| 16.8 | 19.9 | 23.9 | 28.3 | 29.6 | 31.9 | 32.3 | 34.1 | 35.7 | 36.9 | 37.1 | 37.2 | 37.6 | 37.8 | 38.3 |
| 16.8 | 20.0 | 23.9 | 28.4 | 29.7 | 32.0 | 33.6 | 34.2 | 35.7 | 37.0 | 37.2 | 37.6 | 37.8 | 37.9 | 38.3 |
| 16.8 | 20.0 | 23.9 | 28.4 | 29.7 | 32.0 | 33.6 | 34.2 | 35.7 | 37.0 | 37.2 | 37.6 | 37.8 | 37.9 | 38.3 |
| 16.9 | 20.1 | 24.1 | 28.6 | 29.9 | 32.2 | 33.9 | 34.3 | 36.0 | 37.3 | 37.6 | 38.0 | 38.2 | 38.3 | 38.7 |
| 17.1 | 20.3 | 24.3 | 28.9 | 30.3 | 32.6 | 34.2 | 34.8 | 36.4 | 37.8 | 38.1 | 38.4 | 38.7 | 38.8 | 39.2 |
| 18.4 | 21.9 | 25.9 | 30.6 | 32.0 | 34.3 | 36.0 | 36.6 | 38.2 | 39.6 | 40.1 | 40.4 | 40.7 | 40.7 | 41.2 |
| 18.9 | 22.4 | 26.5 | 31.2 | 32.6 | 35.0 | 36.8 | 37.5 | 39.3 | 40.7 | 41.2 | 41.6 | 41.8 | 41.9 | 42.4 |
| 20.4 | 24.1 | 28.2 | 33.1 | 34.7 | 37.2 | 39.1 | 39.8 | 41.6 | 43.0 | 43.5 | 43.9 | 44.2 | 44.3 | 45.0 |
| 21.2 | 25.2 | 29.6 | 34.8 | 36.6 | 39.3 | 41.3 | 42.1 | 44.0 | 45.7 | 46.1 | 46.3 | 46.8 | 46.9 | 47.6 |
| 21.9 | 26.1 | 30.7 | 36.3 | 38.3 | 41.2 | 43.2 | 44.0 | 46.0 | 47.6 | 48.1 | 48.3 | 48.8 | 48.9 | 49.6 |
| 23.0 | 27.3 | 32.4 | 38.4 | 40.3 | 43.3 | 45.3 | 46.3 | 48.4 | 50.1 | 50.6 | 51.1 | 51.4 | 51.5 | 52.2 |
| 23.7 | 28.2 | 33.4 | 39.3 | 41.4 | 44.7 | 47.1 | 48.1 | 50.2 | 51.8 | 52.4 | 52.8 | 53.1 | 53.2 | 54.0 |
| 25.0 | 29.8 | 35.3 | 41.7 | 43.7 | 47.1 | 49.7 | 50.9 | 53.0 | 54.7 | 55.2 | 55.7 | 56.0 | 56.1 | 56.8 |
| 26.1 | 31.4 | 37.5 | 44.2 | 46.3 | 49.9 | 52.9 | 54.2 | 56.4 | 58.0 | 58.6 | 59.0 | 59.3 | 59.4 | 60.2 |
| 28.4 | 34.0 | 41.1 | 48.2 | 50.3 | 54.3 | 57.3 | 58.7 | 61.2 | 62.8 | 63.4 | 63.8 | 64.2 | 64.3 | 65.0 |
| 30.1 | 36.0 | 43.4 | 51.4 | 53.9 | 58.1 | 61.1 | 62.6 | 65.2 | 66.8 | 67.3 | 67.8 | 68.1 | 68.3 | 69.0 |
| 31.7 | 38.4 | 46.3 | 53.0 | 57.3 | 61.9 | 65.1 | 66.6 | 69.3 | 70.9 | 71.4 | 71.9 | 72.2 | 72.4 | 73.2 |
| 32.2 | 39.1 | 47.5 | 56.3 | 59.1 | 63.6 | 66.8 | 68.3 | 71.0 | 72.6 | 73.2 | 73.7 | 74.1 | 74.2 | 75.0 |
| 33.4 | 40.9 | 49.7 | 59.1 | 62.2 | 66.7 | 69.9 | 71.5 | 74.3 | 76.0 | 76.6 | 77.1 | 77.3 | 77.6 | 78.4 |
| 35.1 | 43.4 | 53.0 | 63.0 | 66.3 | 71.4 | 74.8 | 76.6 | 79.3 | 81.2 | 81.8 | 82.3 | 82.7 | 82.9 | 83.6 |
| 35.3 | 44.2 | 54.2 | 64.7 | 68.2 | 73.7 | 77.2 | 79.1 | 82.1 | 83.9 | 84.5 | 85.0 | 85.4 | 85.5 | 86.3 |
| 35.7 | 44.8 | 55.2 | 66.0 | 69.6 | 75.4 | 78.9 | 80.9 | 83.9 | 85.7 | 86.3 | 86.9 | 87.3 | 87.3 | 88.2 |
| 36.2 | 45.4 | 56.0 | 67.4 | 71.1 | 77.5 | 81.2 | 83.1 | 86.2 | 88.0 | 88.6 | 89.2 | 89.7 | 89.8 | 90.6 |
| 36.4 | 45.7 | 56.9 | 68.4 | 72.3 | 78.8 | 82.9 | 84.8 | 88.1 | 89.9 | 90.6 | 91.2 | 91.7 | 91.8 | 92.6 |
| 36.4 | 45.8 | 57.1 | 68.8 | 72.9 | 79.7 | 83.9 | 85.9 | 89.3 | 91.3 | 91.9 | 92.6 | 93.0 | 93.2 | 94.0 |
| 36.4 | 45.9 | 57.4 | 69.3 | 73.6 | 80.6 | 85.2 | 87.3 | 90.9 | 93.0 | 93.7 | 94.3 | 94.8 | 95.0 | 95.8 |
| 36.4 | 46.0 | 57.5 | 69.5 | 73.9 | 81.1 | 85.7 | 88.0 | 91.7 | 93.9 | 94.5 | 95.2 | 95.8 | 96.0 | 96.8 |
| 36.4 | 46.0 | 57.5 | 69.7 | 74.0 | 81.4 | 86.3 | 89.1 | 93.0 | 95.3 | 96.0 | 96.7 | 97.4 | 97.5 | 98.4 |
| 36.4 | 46.0 | 57.5 | 69.7 | 74.1 | 81.6 | 86.7 | 89.3 | 93.2 | 95.5 | 96.3 | 97.1 | 97.9 | 98.0 | 99.4 |
| 36.4 | 46.0 | 57.5 | 69.7 | 74.1 | 81.6 | 86.7 | 89.3 | 93.2 | 95.5 | 96.3 | 97.1 | 97.9 | 98.0 | 99.4 |
| 36.4 | 46.0 | 57.5 | 69.7 | 74.1 | 81.6 | 86.7 | 89.3 | 93.2 | 95.5 | 96.3 | 97.1 | 98.0 | 98.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1010

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

54-72

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-1100

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 14.4 | 17.5 | 21.5 | 24.0 | 25.4 | 26.9 | 28.2 | 28.9 | 29.7 | 29.8 | 29.8 | 29.8 | 30.0 | 30.0 | 30.0 |
| 18.8 | 22.4 | 27.2 | 30.0 | 31.6 | 33.4 | 34.8 | 35.5 | 36.5 | 36.7 | 36.7 | 36.7 | 36.9 | 36.9 | 37.0 |
| 18.9 | 22.4 | 27.2 | 30.0 | 31.7 | 33.4 | 34.9 | 35.6 | 36.6 | 36.8 | 36.8 | 36.8 | 37.0 | 37.0 | 37.0 |
| 19.1 | 22.7 | 27.5 | 30.5 | 32.1 | 34.0 | 35.4 | 36.2 | 37.2 | 37.3 | 37.3 | 37.3 | 37.5 | 37.5 | 37.6 |
| 19.6 | 23.3 | 28.2 | 31.1 | 32.9 | 34.7 | 36.2 | 36.9 | 37.9 | 38.1 | 38.1 | 38.1 | 38.3 | 38.3 | 38.4 |
| 20.9 | 24.6 | 29.5 | 32.6 | 34.5 | 36.3 | 37.8 | 38.6 | 39.8 | 40.0 | 40.0 | 40.0 | 40.2 | 40.2 | 40.2 |
| 21.2 | 25.1 | 30.2 | 33.3 | 35.2 | 37.1 | 38.7 | 39.8 | 40.7 | 40.9 | 40.9 | 40.9 | 41.1 | 41.1 | 41.2 |
| 22.5 | 26.9 | 32.1 | 35.4 | 37.3 | 39.4 | 41.1 | 41.9 | 43.2 | 43.5 | 43.6 | 43.6 | 43.8 | 43.8 | 43.8 |
| 23.8 | 28.2 | 34.1 | 37.6 | 40.0 | 42.4 | 44.2 | 45.2 | 46.6 | 46.9 | 46.9 | 46.9 | 47.1 | 47.1 | 47.2 |
| 24.3 | 29.2 | 35.4 | 39.2 | 41.7 | 44.1 | 46.0 | 47.1 | 48.4 | 48.7 | 48.8 | 48.8 | 49.0 | 49.0 | 49.0 |
| 25.0 | 30.0 | 36.3 | 40.4 | 43.1 | 45.6 | 47.6 | 48.7 | 50.0 | 50.3 | 50.4 | 50.4 | 50.6 | 50.6 | 50.7 |
| 25.3 | 30.5 | 37.0 | 41.2 | 44.0 | 46.7 | 48.6 | 49.8 | 51.1 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.8 |
| 26.2 | 31.5 | 38.4 | 42.8 | 45.7 | 48.5 | 50.5 | 51.8 | 53.2 | 53.6 | 53.7 | 53.7 | 53.9 | 53.9 | 53.9 |
| 27.4 | 33.0 | 40.1 | 44.8 | 48.0 | 51.1 | 53.2 | 54.5 | 56.0 | 56.3 | 56.4 | 56.4 | 56.6 | 56.6 | 56.7 |
| 29.2 | 35.5 | 42.9 | 48.2 | 51.6 | 54.8 | 57.0 | 58.3 | 59.8 | 60.3 | 60.4 | 60.4 | 60.6 | 60.6 | 60.6 |
| 31.7 | 38.5 | 46.4 | 52.2 | 55.7 | 59.1 | 61.5 | 63.0 | 64.8 | 65.3 | 65.3 | 65.3 | 65.5 | 65.5 | 65.6 |
| 33.8 | 41.2 | 50.0 | 56.3 | 59.9 | 63.4 | 66.0 | 67.6 | 69.3 | 70.0 | 70.0 | 70.0 | 70.2 | 70.2 | 70.3 |
| 34.7 | 42.2 | 51.4 | 57.8 | 61.6 | 65.1 | 67.8 | 69.3 | 71.1 | 71.8 | 71.8 | 71.8 | 72.0 | 72.0 | 72.1 |
| 36.3 | 44.5 | 54.4 | 61.2 | 65.1 | 68.7 | 71.5 | 73.1 | 75.2 | 76.0 | 76.1 | 76.1 | 76.3 | 76.3 | 76.3 |
| 38.6 | 48.0 | 58.8 | 66.4 | 71.0 | 75.1 | 78.1 | 79.9 | 82.0 | 82.9 | 83.0 | 83.0 | 83.2 | 83.2 | 83.2 |
| 39.3 | 49.1 | 60.5 | 68.8 | 73.6 | 78.1 | 81.2 | 83.1 | 85.4 | 86.3 | 86.3 | 86.3 | 86.5 | 86.5 | 86.6 |
| 39.4 | 49.5 | 61.7 | 70.5 | 75.4 | 79.9 | 83.3 | 85.4 | 87.8 | 88.7 | 88.8 | 88.8 | 89.0 | 89.0 | 89.0 |
| 39.8 | 50.2 | 63.1 | 72.3 | 77.2 | 82.3 | 85.8 | 88.0 | 90.7 | 91.5 | 91.6 | 91.6 | 91.9 | 91.9 | 92.0 |
| 40.1 | 50.7 | 63.8 | 73.5 | 78.7 | 83.8 | 87.4 | 89.7 | 92.6 | 93.6 | 93.7 | 93.7 | 94.0 | 94.0 | 94.1 |
| 40.2 | 50.8 | 64.4 | 74.3 | 79.6 | 85.0 | 88.7 | 91.1 | 94.1 | 95.2 | 95.4 | 95.5 | 95.8 | 95.8 | 95.9 |
| 40.2 | 50.9 | 64.5 | 74.6 | 79.9 | 85.3 | 89.3 | 91.8 | 95.0 | 96.2 | 96.4 | 96.5 | 96.8 | 96.8 | 96.8 |
| 40.2 | 51.0 | 64.6 | 74.8 | 80.2 | 86.1 | 89.9 | 92.8 | 95.8 | 97.0 | 97.3 | 97.5 | 97.8 | 97.8 | 97.8 |
| 40.2 | 51.0 | 64.6 | 74.8 | 80.2 | 86.1 | 90.0 | 92.7 | 96.2 | 97.9 | 98.3 | 98.6 | 99.1 | 99.1 | 99.4 |
| 40.2 | 51.0 | 64.6 | 74.8 | 80.2 | 86.1 | 90.0 | 92.7 | 96.2 | 97.9 | 98.3 | 98.6 | 99.1 | 99.2 | 99.7 |
| 40.2 | 51.0 | 64.6 | 74.8 | 80.2 | 86.1 | 90.0 | 92.7 | 96.2 | 97.9 | 98.3 | 98.6 | 99.1 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1015

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

34-72

MAR

1200-1400

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 18.6 | 22.7 | 25.7 | 27.9 | 28.6 | 29.1 | 29.4 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| 24.6 | 30.0 | 33.6 | 36.7 | 37.5 | 38.0 | 38.4 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 |
| 24.6 | 30.0 | 33.6 | 36.7 | 37.5 | 38.0 | 38.4 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 |
| 24.9 | 30.3 | 33.9 | 37.0 | 37.9 | 38.4 | 38.7 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 |
| 25.2 | 30.6 | 34.2 | 37.4 | 38.2 | 38.7 | 39.1 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 |
| 25.5 | 31.0 | 34.7 | 37.9 | 38.7 | 39.2 | 39.6 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| 26.4 | 32.0 | 35.7 | 39.0 | 39.8 | 40.3 | 40.7 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| 27.3 | 32.9 | 36.8 | 40.0 | 40.8 | 41.5 | 41.8 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 |
| 28.3 | 34.1 | 38.1 | 41.3 | 42.2 | 42.8 | 43.2 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| 29.6 | 35.6 | 39.6 | 43.6 | 44.5 | 45.2 | 45.6 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| 30.1 | 36.4 | 40.9 | 44.7 | 45.6 | 46.3 | 46.8 | 47.0 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| 31.0 | 37.5 | 42.3 | 46.3 | 47.2 | 47.9 | 48.3 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 |
| 31.6 | 38.3 | 43.2 | 47.2 | 48.2 | 48.9 | 49.4 | 49.6 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| 33.3 | 40.2 | 45.3 | 49.4 | 50.4 | 51.3 | 51.7 | 52.1 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| 35.8 | 42.6 | 48.2 | 52.4 | 53.6 | 54.5 | 54.9 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| 40.1 | 47.4 | 53.5 | 58.0 | 59.5 | 60.5 | 61.0 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| 44.7 | 53.4 | 60.0 | 64.9 | 66.6 | 67.7 | 68.4 | 68.8 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| 49.3 | 59.1 | 67.0 | 72.4 | 74.2 | 75.3 | 76.1 | 76.6 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| 51.5 | 61.6 | 69.7 | 75.4 | 77.2 | 78.3 | 79.2 | 79.7 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 54.1 | 64.9 | 73.7 | 80.1 | 81.9 | 83.0 | 83.9 | 84.5 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| 55.6 | 67.3 | 76.7 | 83.7 | 86.1 | 87.2 | 88.4 | 88.9 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 56.6 | 68.3 | 77.8 | 85.2 | 87.7 | 89.0 | 90.2 | 90.8 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 57.1 | 68.8 | 78.5 | 86.9 | 89.4 | 91.0 | 92.4 | 93.0 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 57.1 | 69.2 | 80.0 | 88.1 | 90.8 | 92.0 | 94.1 | 94.7 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| 57.2 | 69.4 | 80.3 | 88.7 | 91.5 | 93.5 | 95.1 | 95.8 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| 57.2 | 69.4 | 80.3 | 89.0 | 91.8 | 93.8 | 95.4 | 96.1 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| 57.2 | 69.4 | 80.4 | 89.2 | 92.0 | 94.1 | 95.5 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 57.2 | 69.4 | 80.4 | 89.2 | 92.0 | 94.1 | 95.5 | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

1590

1

CEILING VERSUS VISIBILITY

34056 SEMBACH A. GORDON

54-76

A

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

220-221

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 32.7 | 34.7 | 36.7 | 38.7 | 40.7 | 42.7 | 44.7 | 46.7 | 48.7 | 50.7 | 52.7 | 54.7 | 56.7 | 58.7 | 60.7 | 62.7 | 64.7 | 66.7 | 68.7 | 70.7 | 72.7 | 74.7 | 76.7 | 78.7 | 80.7 | 82.7 | 84.7 | 86.7 | 88.7 | 90.7 | 92.7 | 94.7 | 96.7 | 98.7 | 100.7 |
| 32.8 | 34.8 | 36.8 | 38.8 | 40.8 | 42.8 | 44.8 | 46.8 | 48.8 | 50.8 | 52.8 | 54.8 | 56.8 | 58.8 | 60.8 | 62.8 | 64.8 | 66.8 | 68.8 | 70.8 | 72.8 | 74.8 | 76.8 | 78.8 | 80.8 | 82.8 | 84.8 | 86.8 | 88.8 | 90.8 | 92.8 | 94.8 | 96.8 | 98.8 | 100.8 |
| 32.9 | 34.9 | 36.9 | 38.9 | 40.9 | 42.9 | 44.9 | 46.9 | 48.9 | 50.9 | 52.9 | 54.9 | 56.9 | 58.9 | 60.9 | 62.9 | 64.9 | 66.9 | 68.9 | 70.9 | 72.9 | 74.9 | 76.9 | 78.9 | 80.9 | 82.9 | 84.9 | 86.9 | 88.9 | 90.9 | 92.9 | 94.9 | 96.9 | 98.9 | 100.9 |
| 33.0 | 35.0 | 37.0 | 39.0 | 41.0 | 43.0 | 45.0 | 47.0 | 49.0 | 51.0 | 53.0 | 55.0 | 57.0 | 59.0 | 61.0 | 63.0 | 65.0 | 67.0 | 69.0 | 71.0 | 73.0 | 75.0 | 77.0 | 79.0 | 81.0 | 83.0 | 85.0 | 87.0 | 89.0 | 91.0 | 93.0 | 95.0 | 97.0 | 99.0 | 101.0 |
| 33.1 | 35.1 | 37.1 | 39.1 | 41.1 | 43.1 | 45.1 | 47.1 | 49.1 | 51.1 | 53.1 | 55.1 | 57.1 | 59.1 | 61.1 | 63.1 | 65.1 | 67.1 | 69.1 | 71.1 | 73.1 | 75.1 | 77.1 | 79.1 | 81.1 | 83.1 | 85.1 | 87.1 | 89.1 | 91.1 | 93.1 | 95.1 | 97.1 | 99.1 | 101.1 |
| 33.2 | 35.2 | 37.2 | 39.2 | 41.2 | 43.2 | 45.2 | 47.2 | 49.2 | 51.2 | 53.2 | 55.2 | 57.2 | 59.2 | 61.2 | 63.2 | 65.2 | 67.2 | 69.2 | 71.2 | 73.2 | 75.2 | 77.2 | 79.2 | 81.2 | 83.2 | 85.2 | 87.2 | 89.2 | 91.2 | 93.2 | 95.2 | 97.2 | 99.2 | 101.2 |
| 33.3 | 35.3 | 37.3 | 39.3 | 41.3 | 43.3 | 45.3 | 47.3 | 49.3 | 51.3 | 53.3 | 55.3 | 57.3 | 59.3 | 61.3 | 63.3 | 65.3 | 67.3 | 69.3 | 71.3 | 73.3 | 75.3 | 77.3 | 79.3 | 81.3 | 83.3 | 85.3 | 87.3 | 89.3 | 91.3 | 93.3 | 95.3 | 97.3 | 99.3 | 101.3 |
| 33.4 | 35.4 | 37.4 | 39.4 | 41.4 | 43.4 | 45.4 | 47.4 | 49.4 | 51.4 | 53.4 | 55.4 | 57.4 | 59.4 | 61.4 | 63.4 | 65.4 | 67.4 | 69.4 | 71.4 | 73.4 | 75.4 | 77.4 | 79.4 | 81.4 | 83.4 | 85.4 | 87.4 | 89.4 | 91.4 | 93.4 | 95.4 | 97.4 | 99.4 | 101.4 |
| 33.5 | 35.5 | 37.5 | 39.5 | 41.5 | 43.5 | 45.5 | 47.5 | 49.5 | 51.5 | 53.5 | 55.5 | 57.5 | 59.5 | 61.5 | 63.5 | 65.5 | 67.5 | 69.5 | 71.5 | 73.5 | 75.5 | 77.5 | 79.5 | 81.5 | 83.5 | 85.5 | 87.5 | 89.5 | 91.5 | 93.5 | 95.5 | 97.5 | 99.5 | 101.5 |
| 33.6 | 35.6 | 37.6 | 39.6 | 41.6 | 43.6 | 45.6 | 47.6 | 49.6 | 51.6 | 53.6 | 55.6 | 57.6 | 59.6 | 61.6 | 63.6 | 65.6 | 67.6 | 69.6 | 71.6 | 73.6 | 75.6 | 77.6 | 79.6 | 81.6 | 83.6 | 85.6 | 87.6 | 89.6 | 91.6 | 93.6 | 95.6 | 97.6 | 99.6 | 101.6 |
| 33.7 | 35.7 | 37.7 | 39.7 | 41.7 | 43.7 | 45.7 | 47.7 | 49.7 | 51.7 | 53.7 | 55.7 | 57.7 | 59.7 | 61.7 | 63.7 | 65.7 | 67.7 | 69.7 | 71.7 | 73.7 | 75.7 | 77.7 | 79.7 | 81.7 | 83.7 | 85.7 | 87.7 | 89.7 | 91.7 | 93.7 | 95.7 | 97.7 | 99.7 | 101.7 |
| 33.8 | 35.8 | 37.8 | 39.8 | 41.8 | 43.8 | 45.8 | 47.8 | 49.8 | 51.8 | 53.8 | 55.8 | 57.8 | 59.8 | 61.8 | 63.8 | 65.8 | 67.8 | 69.8 | 71.8 | 73.8 | 75.8 | 77.8 | 79.8 | 81.8 | 83.8 | 85.8 | 87.8 | 89.8 | 91.8 | 93.8 | 95.8 | 97.8 | 99.8 | 101.8 |
| 33.9 | 35.9 | 37.9 | 39.9 | 41.9 | 43.9 | 45.9 | 47.9 | 49.9 | 51.9 | 53.9 | 55.9 | 57.9 | 59.9 | 61.9 | 63.9 | 65.9 | 67.9 | 69.9 | 71.9 | 73.9 | 75.9 | 77.9 | 79.9 | 81.9 | 83.9 | 85.9 | 87.9 | 89.9 | 91.9 | 93.9 | 95.9 | 97.9 | 99.9 | 101.9 |

TOTAL NUMBER OF OBSERVATIONS

1011

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

34-69

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| 22.5 | 26.1 | 28.8 | 31.7 | 33.0 | 33.4 | 33.6 | 33.6 | 33.7 | 33.9 | 33.9 | 34.0 | 34.1 | 34.1 | 34.1 |
| 30.1 | 34.3 | 37.6 | 41.1 | 42.7 | 43.2 | 43.5 | 43.5 | 43.6 | 43.8 | 43.8 | 43.8 | 44.0 | 44.0 | 44.0 |
| 30.1 | 34.3 | 37.6 | 41.1 | 42.7 | 43.2 | 43.5 | 43.5 | 43.6 | 43.8 | 43.8 | 43.8 | 44.0 | 44.0 | 44.0 |
| 30.2 | 34.3 | 37.6 | 41.1 | 42.8 | 43.3 | 43.6 | 43.6 | 43.6 | 43.8 | 43.8 | 43.9 | 44.1 | 44.1 | 44.1 |
| 30.8 | 34.9 | 38.2 | 41.7 | 43.3 | 43.8 | 44.1 | 44.1 | 44.2 | 44.4 | 44.4 | 44.4 | 44.6 | 44.6 | 44.6 |
| 31.4 | 35.7 | 39.1 | 42.8 | 44.4 | 44.9 | 45.2 | 45.2 | 45.2 | 45.5 | 45.5 | 45.6 | 45.7 | 45.7 | 45.7 |
| 33.2 | 37.9 | 41.3 | 45.4 | 47.1 | 47.6 | 47.9 | 47.9 | 48.0 | 48.2 | 48.2 | 48.3 | 48.4 | 48.4 | 48.4 |
| 34.0 | 38.9 | 42.5 | 46.6 | 48.4 | 49.0 | 49.5 | 49.6 | 49.6 | 49.9 | 49.9 | 49.9 | 50.1 | 50.1 | 50.1 |
| 36.4 | 41.6 | 45.2 | 49.3 | 51.1 | 51.9 | 52.4 | 52.5 | 52.6 | 52.8 | 52.8 | 52.9 | 53.0 | 53.0 | 53.0 |
| 39.0 | 44.3 | 48.1 | 52.4 | 54.2 | 55.1 | 55.7 | 55.8 | 55.9 | 56.1 | 56.1 | 56.2 | 56.3 | 56.3 | 56.3 |
| 40.8 | 46.3 | 50.7 | 55.0 | 56.8 | 57.7 | 58.4 | 58.4 | 58.5 | 58.7 | 58.7 | 58.8 | 58.9 | 58.9 | 58.9 |
| 43.3 | 49.6 | 54.0 | 58.7 | 60.6 | 61.8 | 62.5 | 62.7 | 62.8 | 63.0 | 63.0 | 63.1 | 63.2 | 63.2 | 63.2 |
| 45.3 | 51.7 | 56.1 | 61.0 | 62.9 | 64.1 | 64.8 | 64.9 | 65.1 | 65.3 | 65.3 | 65.4 | 65.5 | 65.5 | 65.5 |
| 47.9 | 54.7 | 59.9 | 65.0 | 67.0 | 68.4 | 69.2 | 69.4 | 69.5 | 69.7 | 69.7 | 69.8 | 70.0 | 70.0 | 70.0 |
| 50.1 | 57.2 | 62.7 | 68.2 | 70.2 | 71.7 | 72.6 | 72.8 | 73.0 | 73.2 | 73.2 | 73.2 | 73.4 | 73.4 | 73.4 |
| 52.6 | 60.1 | 66.2 | 72.4 | 74.5 | 76.0 | 77.0 | 77.2 | 77.3 | 77.5 | 77.5 | 77.5 | 77.6 | 77.8 | 77.8 |
| 55.2 | 62.8 | 69.2 | 76.2 | 78.5 | 80.3 | 81.5 | 81.7 | 81.8 | 82.0 | 82.0 | 82.1 | 82.3 | 82.3 | 82.3 |
| 57.4 | 65.3 | 72.4 | 80.3 | 82.9 | 84.8 | 86.1 | 86.3 | 86.3 | 86.7 | 86.7 | 86.8 | 86.9 | 86.9 | 86.9 |
| 57.8 | 66.2 | 73.3 | 81.3 | 84.0 | 86.1 | 87.3 | 87.6 | 87.7 | 87.9 | 87.9 | 88.0 | 88.1 | 88.1 | 88.1 |
| 58.7 | 68.0 | 75.2 | 83.7 | 86.5 | 88.6 | 90.1 | 90.3 | 90.4 | 90.6 | 90.6 | 90.7 | 90.8 | 90.8 | 90.8 |
| 59.2 | 68.3 | 76.1 | 85.0 | 88.1 | 90.3 | 91.9 | 92.1 | 92.3 | 92.6 | 92.6 | 92.7 | 92.8 | 92.8 | 92.8 |
| 59.4 | 69.0 | 76.8 | 85.8 | 88.9 | 91.3 | 93.2 | 93.3 | 93.8 | 94.3 | 94.3 | 94.4 | 94.6 | 94.6 | 94.6 |
| 59.4 | 69.0 | 76.8 | 86.0 | 89.3 | 91.9 | 93.7 | 94.0 | 94.3 | 94.9 | 95.0 | 95.1 | 95.2 | 95.2 | 95.2 |
| 59.3 | 69.2 | 77.3 | 86.6 | 90.1 | 92.9 | 94.8 | 95.1 | 95.4 | 96.1 | 96.1 | 96.2 | 96.4 | 96.4 | 96.4 |
| 59.6 | 69.3 | 77.3 | 87.3 | 91.0 | 93.9 | 95.8 | 96.1 | 96.6 | 97.3 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 |
| 59.7 | 69.4 | 77.6 | 87.4 | 91.1 | 94.1 | 96.0 | 96.4 | 97.0 | 97.7 | 97.9 | 97.9 | 98.1 | 98.1 | 98.1 |
| 59.7 | 69.6 | 77.8 | 87.6 | 91.3 | 94.3 | 96.3 | 96.8 | 97.6 | 98.4 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 |
| 59.7 | 69.6 | 77.8 | 87.6 | 91.3 | 94.3 | 96.3 | 96.9 | 97.7 | 98.6 | 99.0 | 99.1 | 99.4 | 99.4 | 99.4 |
| 59.7 | 69.6 | 77.8 | 87.6 | 91.3 | 94.3 | 96.3 | 96.9 | 97.7 | 98.6 | 99.1 | 99.3 | 99.6 | 99.6 | 99.6 |
| 59.7 | 69.6 | 77.8 | 87.6 | 91.3 | 94.3 | 96.3 | 96.9 | 97.7 | 98.9 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 |
| 59.7 | 69.6 | 77.8 | 87.6 | 91.3 | 94.3 | 96.3 | 96.9 | 97.7 | 98.9 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 |
| 59.7 | 69.6 | 77.8 | 87.6 | 91.3 | 94.3 | 96.3 | 96.9 | 97.7 | 98.9 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1398

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-68

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 27.5 | 32.2 | 36.8 | 40.5 | 42.3 | 43.5 | 44.1 | 44.2 | 44.4 | 44.4 | 44.4 | 44.5 | 44.5 | 44.6 | 44.7 |
| 30.4 | 33.4 | 40.4 | 44.3 | 46.4 | 47.6 | 48.2 | 48.2 | 48.3 | 48.6 | 48.6 | 48.7 | 48.7 | 48.8 | 48.8 |
| 30.5 | 35.6 | 40.5 | 44.4 | 46.5 | 47.7 | 48.3 | 48.5 | 48.6 | 48.7 | 48.7 | 48.8 | 48.8 | 48.9 | 49.0 |
| 30.5 | 35.6 | 40.5 | 44.4 | 46.5 | 47.7 | 48.3 | 48.5 | 48.6 | 48.7 | 48.7 | 48.8 | 48.8 | 48.9 | 49.0 |
| 30.8 | 35.8 | 40.9 | 44.9 | 47.0 | 48.2 | 48.7 | 48.9 | 49.0 | 49.2 | 49.2 | 49.2 | 49.2 | 49.3 | 49.4 |
| 31.3 | 36.3 | 41.4 | 45.4 | 47.5 | 48.7 | 49.2 | 49.4 | 49.5 | 49.7 | 49.7 | 49.7 | 49.7 | 49.8 | 49.9 |
| 32.5 | 37.7 | 42.9 | 47.1 | 49.2 | 50.4 | 51.0 | 51.1 | 51.3 | 51.4 | 51.4 | 51.5 | 51.5 | 51.5 | 51.6 |
| 33.8 | 39.0 | 44.3 | 49.0 | 51.0 | 52.3 | 52.8 | 53.0 | 53.1 | 53.3 | 53.3 | 53.3 | 53.3 | 53.4 | 53.5 |
| 35.1 | 41.4 | 46.8 | 51.7 | 53.8 | 55.1 | 55.6 | 55.8 | 55.9 | 56.1 | 56.1 | 56.1 | 56.1 | 56.2 | 56.3 |
| 36.4 | 44.1 | 49.5 | 54.6 | 57.0 | 58.6 | 59.3 | 59.5 | 59.6 | 59.8 | 59.8 | 59.9 | 59.9 | 60.0 | 60.1 |
| 40.1 | 46.4 | 52.3 | 57.7 | 60.3 | 62.1 | 62.7 | 63.0 | 63.2 | 63.3 | 63.3 | 63.4 | 63.4 | 63.5 | 63.7 |
| 42.4 | 49.0 | 55.2 | 60.8 | 63.4 | 65.2 | 65.8 | 66.1 | 66.2 | 66.4 | 66.4 | 66.5 | 66.5 | 66.6 | 66.7 |
| 44.3 | 51.0 | 57.6 | 63.4 | 66.1 | 68.1 | 68.7 | 69.0 | 69.2 | 69.3 | 69.3 | 69.4 | 69.5 | 69.5 | 69.7 |
| 46.0 | 53.2 | 60.6 | 66.7 | 69.5 | 71.9 | 72.6 | 73.0 | 73.1 | 73.3 | 73.3 | 73.3 | 73.4 | 73.5 | 73.6 |
| 47.5 | 55.3 | 63.0 | 69.2 | 72.1 | 74.6 | 75.3 | 75.7 | 75.8 | 76.0 | 76.0 | 76.1 | 76.1 | 76.2 | 76.3 |
| 49.6 | 57.7 | 65.9 | 72.4 | 75.4 | 77.9 | 78.7 | 79.1 | 79.2 | 79.4 | 79.4 | 79.4 | 79.5 | 79.6 | 79.7 |
| 51.0 | 59.6 | 68.1 | 75.1 | 78.2 | 80.9 | 81.7 | 82.1 | 82.2 | 82.4 | 82.4 | 82.4 | 82.5 | 82.6 | 82.7 |
| 52.9 | 61.9 | 71.0 | 78.6 | 81.6 | 84.6 | 85.4 | 85.9 | 86.0 | 86.2 | 86.3 | 86.4 | 86.5 | 86.5 | 86.7 |
| 53.0 | 62.1 | 71.3 | 79.0 | 82.4 | 85.4 | 86.3 | 86.7 | 87.0 | 87.2 | 87.2 | 87.3 | 87.4 | 87.5 | 87.6 |
| 53.3 | 62.6 | 72.1 | 80.3 | 84.0 | 87.2 | 88.2 | 88.7 | 88.9 | 89.2 | 89.2 | 89.2 | 89.3 | 89.4 | 89.5 |
| 54.2 | 64.0 | 73.8 | 82.1 | 86.1 | 89.7 | 91.0 | 91.5 | 91.7 | 92.0 | 92.0 | 92.0 | 92.1 | 92.2 | 92.3 |
| 54.3 | 64.5 | 74.8 | 83.4 | 87.6 | 91.4 | 92.7 | 93.2 | 93.4 | 93.7 | 93.7 | 93.8 | 93.8 | 93.9 | 94.1 |
| 54.3 | 64.6 | 75.1 | 83.7 | 88.0 | 91.9 | 93.2 | 93.7 | 94.0 | 94.3 | 94.3 | 94.4 | 94.5 | 94.6 | 94.7 |
| 54.4 | 64.7 | 75.4 | 84.4 | 88.8 | 92.8 | 94.1 | 94.6 | 94.9 | 95.4 | 95.4 | 95.5 | 95.6 | 95.6 | 95.8 |
| 54.5 | 64.8 | 75.7 | 84.7 | 89.6 | 93.6 | 95.0 | 95.5 | 95.8 | 96.3 | 96.3 | 96.4 | 96.5 | 96.6 | 96.7 |
| 54.6 | 65.1 | 76.1 | 85.2 | 90.1 | 94.2 | 95.7 | 96.2 | 96.6 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 | 97.5 |
| 54.6 | 65.2 | 76.3 | 85.6 | 90.6 | 94.9 | 96.3 | 97.1 | 97.3 | 98.0 | 98.0 | 98.1 | 98.2 | 98.3 | 98.4 |
| 54.6 | 65.2 | 76.3 | 85.6 | 90.7 | 95.1 | 96.7 | 97.3 | 98.0 | 98.5 | 98.5 | 98.6 | 98.9 | 99.0 | 99.1 |
| 54.6 | 65.2 | 76.3 | 85.6 | 90.8 | 95.2 | 96.8 | 97.5 | 98.4 | 98.9 | 98.9 | 99.0 | 99.4 | 99.6 | 99.6 |
| 54.6 | 65.2 | 76.3 | 85.6 | 90.8 | 95.2 | 96.8 | 97.5 | 98.4 | 99.1 | 99.1 | 99.2 | 99.6 | 99.6 | 99.8 |
| 54.6 | 65.2 | 76.3 | 85.6 | 90.8 | 95.2 | 96.8 | 97.5 | 98.4 | 99.1 | 99.1 | 99.2 | 99.7 | 99.8 | 99.9 |
| 54.6 | 65.2 | 76.3 | 85.6 | 90.8 | 95.2 | 96.8 | 97.5 | 98.4 | 99.1 | 99.1 | 99.2 | 99.7 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1395

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SENBACH AB GERMANY

54-68

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 38.5 | 41.9 | 44.6 | 47.4 | 48.1 | 49.0 | 49.3 | 49.6 | 49.8 | 49.8 | 49.9 | 49.9 | 50.1 | 50.1 | 50.4 |
| 42.8 | 46.4 | 49.3 | 52.4 | 53.2 | 54.6 | 54.8 | 55.0 | 55.2 | 55.2 | 55.4 | 55.5 | 55.6 | 55.6 | 55.9 |
| 42.8 | 46.4 | 49.3 | 52.4 | 53.2 | 54.4 | 54.8 | 55.0 | 55.2 | 55.2 | 55.4 | 55.5 | 55.6 | 55.6 | 55.9 |
| 42.8 | 46.4 | 49.3 | 52.4 | 53.2 | 54.4 | 54.8 | 55.0 | 55.2 | 55.2 | 55.4 | 55.5 | 55.6 | 55.6 | 55.9 |
| 42.8 | 46.4 | 49.3 | 52.4 | 53.2 | 54.4 | 54.8 | 55.0 | 55.2 | 55.2 | 55.4 | 55.5 | 55.6 | 55.6 | 55.9 |
| 43.4 | 47.2 | 50.0 | 53.2 | 53.9 | 55.2 | 55.6 | 55.9 | 56.1 | 56.1 | 56.2 | 56.2 | 56.4 | 56.4 | 56.7 |
| 43.6 | 47.4 | 50.5 | 53.9 | 54.6 | 55.9 | 56.4 | 56.6 | 56.9 | 56.9 | 57.0 | 57.0 | 57.2 | 57.2 | 57.5 |
| 45.1 | 49.0 | 52.1 | 55.4 | 56.1 | 57.5 | 58.0 | 58.2 | 58.5 | 58.6 | 58.7 | 58.7 | 58.9 | 58.9 | 59.2 |
| 48.1 | 52.3 | 55.6 | 59.1 | 60.1 | 61.4 | 61.9 | 62.1 | 62.4 | 62.6 | 62.7 | 62.8 | 63.0 | 63.0 | 63.3 |
| 51.5 | 56.1 | 59.7 | 63.5 | 64.6 | 65.9 | 66.4 | 66.7 | 67.0 | 67.1 | 67.2 | 67.3 | 67.5 | 67.5 | 67.9 |
| 54.0 | 58.8 | 62.7 | 66.7 | 68.1 | 69.4 | 70.0 | 70.3 | 70.6 | 70.7 | 70.8 | 71.0 | 71.1 | 71.1 | 71.5 |
| 56.0 | 61.0 | 65.3 | 69.3 | 70.7 | 72.1 | 72.7 | 73.0 | 73.3 | 73.6 | 73.6 | 73.8 | 73.9 | 73.9 | 74.3 |
| 57.2 | 62.1 | 66.6 | 71.0 | 72.4 | 74.1 | 74.7 | 75.0 | 75.3 | 75.5 | 75.6 | 75.7 | 75.9 | 75.9 | 76.3 |
| 58.7 | 64.0 | 68.7 | 73.3 | 74.7 | 76.4 | 77.1 | 77.5 | 77.8 | 78.0 | 78.1 | 78.2 | 78.4 | 78.4 | 78.9 |
| 59.9 | 65.3 | 70.3 | 75.3 | 77.0 | 78.7 | 79.4 | 79.8 | 80.1 | 80.3 | 80.4 | 80.5 | 80.7 | 80.7 | 81.2 |
| 60.9 | 66.5 | 71.8 | 76.9 | 78.6 | 80.3 | 81.3 | 81.7 | 82.0 | 82.2 | 82.3 | 82.4 | 82.7 | 82.7 | 83.1 |
| 61.8 | 67.6 | 73.2 | 78.4 | 80.3 | 82.4 | 83.1 | 83.6 | 83.9 | 84.1 | 84.2 | 84.4 | 84.6 | 84.6 | 85.0 |
| 62.6 | 68.5 | 74.5 | 80.1 | 82.1 | 84.2 | 85.0 | 85.5 | 85.8 | 86.0 | 86.1 | 86.2 | 86.4 | 86.4 | 86.9 |
| 63.0 | 69.1 | 75.5 | 81.0 | 83.0 | 85.3 | 86.1 | 86.6 | 86.9 | 87.1 | 87.2 | 87.3 | 87.6 | 87.6 | 88.0 |
| 64.1 | 70.7 | 77.5 | 83.3 | 85.3 | 87.6 | 88.5 | 89.0 | 89.3 | 89.6 | 89.6 | 89.8 | 90.0 | 90.0 | 90.4 |
| 64.9 | 72.0 | 79.4 | 85.3 | 87.5 | 90.0 | 91.0 | 91.5 | 91.8 | 92.0 | 92.1 | 92.2 | 92.4 | 92.4 | 92.9 |
| 65.3 | 72.9 | 80.7 | 87.0 | 89.3 | 91.9 | 92.8 | 93.3 | 93.6 | 93.9 | 94.1 | 94.2 | 94.3 | 94.3 | 94.7 |
| 65.5 | 73.4 | 81.3 | 87.8 | 90.3 | 93.0 | 94.0 | 94.5 | 94.8 | 95.0 | 95.1 | 95.3 | 95.3 | 95.3 | 95.9 |
| 65.7 | 73.7 | 81.6 | 88.2 | 91.0 | 93.9 | 94.9 | 95.4 | 95.7 | 96.0 | 96.1 | 96.2 | 96.4 | 96.4 | 96.9 |
| 65.8 | 73.8 | 81.8 | 88.7 | 91.3 | 94.7 | 95.7 | 96.2 | 96.5 | 96.8 | 96.9 | 97.0 | 97.3 | 97.3 | 97.7 |
| 65.8 | 73.8 | 81.8 | 88.7 | 91.3 | 94.8 | 95.8 | 96.3 | 96.6 | 96.9 | 97.2 | 97.3 | 97.5 | 97.5 | 98.1 |
| 65.8 | 73.8 | 81.9 | 88.9 | 91.8 | 95.3 | 96.5 | 97.0 | 97.4 | 97.8 | 97.9 | 98.0 | 98.2 | 98.2 | 98.7 |
| 65.8 | 73.8 | 81.9 | 89.0 | 91.9 | 95.8 | 96.7 | 97.4 | 97.9 | 98.3 | 98.4 | 98.5 | 98.8 | 98.8 | 99.3 |
| 65.8 | 73.8 | 81.9 | 89.0 | 91.9 | 95.8 | 96.9 | 97.7 | 98.1 | 98.7 | 98.7 | 99.0 | 99.3 | 99.3 | 99.7 |
| 65.8 | 73.8 | 81.9 | 89.0 | 91.9 | 95.8 | 96.9 | 97.7 | 98.1 | 98.7 | 99.0 | 99.2 | 99.3 | 99.3 | 99.9 |
| 65.8 | 73.8 | 81.9 | 89.0 | 91.9 | 95.8 | 96.9 | 97.7 | 98.1 | 98.7 | 99.0 | 99.2 | 99.3 | 99.3 | 99.9 |
| 65.8 | 73.8 | 81.9 | 89.0 | 91.9 | 95.8 | 96.9 | 97.7 | 98.1 | 98.7 | 99.0 | 99.2 | 99.3 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1350

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 32.0 | 33.8 | 35.3 | 38.6 | 39.2 | 40.5 | 41.2 | 41.6 | 41.8 | 42.4 | 42.5 | 42.6 | 42.8 | 42.8 | 43.4 |
| 35.6 | 38.0 | 40.0 | 43.8 | 44.5 | 46.0 | 47.0 | 47.4 | 47.5 | 48.2 | 48.4 | 48.4 | 48.7 | 48.7 | 49.3 |
| 35.6 | 38.0 | 40.0 | 43.8 | 44.5 | 46.0 | 47.0 | 47.4 | 47.5 | 48.2 | 48.4 | 48.4 | 48.7 | 48.7 | 49.3 |
| 35.6 | 38.0 | 40.1 | 43.8 | 44.6 | 46.1 | 47.0 | 47.5 | 47.6 | 48.2 | 48.4 | 48.5 | 48.7 | 48.8 | 49.4 |
| 35.6 | 38.0 | 40.2 | 43.9 | 44.7 | 46.2 | 47.1 | 47.3 | 47.7 | 48.3 | 48.5 | 48.6 | 48.8 | 48.9 | 49.4 |
| 36.2 | 38.7 | 40.8 | 44.5 | 45.4 | 46.9 | 47.8 | 48.2 | 48.4 | 49.0 | 49.2 | 49.3 | 49.5 | 49.6 | 50.1 |
| 37.1 | 39.6 | 42.2 | 46.1 | 47.1 | 48.7 | 49.6 | 50.0 | 50.1 | 50.8 | 51.0 | 51.1 | 51.3 | 51.3 | 51.9 |
| 38.1 | 40.7 | 43.3 | 47.4 | 48.4 | 50.1 | 51.1 | 51.5 | 51.6 | 52.3 | 52.5 | 52.5 | 52.8 | 52.8 | 53.5 |
| 40.4 | 43.3 | 46.2 | 50.5 | 51.7 | 53.7 | 54.7 | 55.1 | 55.3 | 55.9 | 56.2 | 56.2 | 56.4 | 56.5 | 57.2 |
| 43.3 | 46.4 | 49.6 | 53.9 | 55.2 | 57.2 | 58.2 | 58.6 | 58.9 | 59.6 | 59.8 | 60.0 | 60.2 | 60.3 | 61.0 |
| 45.2 | 48.9 | 52.4 | 57.1 | 58.7 | 60.8 | 61.8 | 62.3 | 62.5 | 63.3 | 63.5 | 63.7 | 63.9 | 64.0 | 64.7 |
| 46.7 | 50.6 | 54.3 | 59.0 | 60.6 | 63.1 | 64.4 | 64.8 | 65.1 | 65.9 | 66.1 | 66.2 | 66.4 | 66.5 | 67.4 |
| 48.1 | 51.9 | 55.9 | 60.6 | 62.3 | 64.9 | 66.1 | 66.6 | 66.9 | 67.6 | 67.8 | 68.0 | 68.2 | 68.3 | 69.1 |
| 49.0 | 53.0 | 57.4 | 62.5 | 64.2 | 66.8 | 68.2 | 68.6 | 68.9 | 69.7 | 69.9 | 70.0 | 70.3 | 70.3 | 71.2 |
| 50.2 | 54.3 | 59.1 | 64.4 | 66.4 | 69.1 | 70.5 | 71.0 | 71.4 | 72.2 | 72.4 | 72.5 | 72.7 | 72.8 | 73.7 |
| 51.7 | 56.4 | 61.7 | 67.4 | 69.4 | 72.4 | 74.0 | 74.6 | 75.0 | 75.8 | 76.0 | 76.1 | 76.3 | 76.4 | 77.3 |
| 53.0 | 57.8 | 63.5 | 69.8 | 71.8 | 74.9 | 76.5 | 77.1 | 77.3 | 78.3 | 78.5 | 78.6 | 78.8 | 78.9 | 79.7 |
| 54.3 | 59.6 | 65.7 | 72.6 | 74.8 | 77.9 | 79.6 | 80.2 | 80.6 | 81.4 | 81.6 | 81.7 | 81.9 | 82.0 | 82.9 |
| 55.1 | 60.3 | 66.8 | 73.8 | 76.1 | 79.2 | 80.9 | 81.4 | 81.9 | 82.6 | 82.9 | 83.1 | 83.3 | 83.4 | 84.2 |
| 56.6 | 62.4 | 68.8 | 76.1 | 78.3 | 81.9 | 83.6 | 84.1 | 84.6 | 85.3 | 85.6 | 85.8 | 86.0 | 86.0 | 86.9 |
| 57.8 | 64.0 | 70.8 | 78.3 | 80.9 | 84.6 | 86.3 | 86.8 | 87.3 | 88.0 | 88.3 | 88.5 | 88.7 | 88.7 | 89.6 |
| 57.9 | 64.3 | 72.0 | 79.7 | 82.4 | 86.3 | 88.0 | 88.6 | 89.0 | 89.8 | 90.1 | 90.2 | 90.4 | 90.5 | 91.4 |
| 58.2 | 64.9 | 72.6 | 80.7 | 83.8 | 87.9 | 89.6 | 90.3 | 90.7 | 91.6 | 91.9 | 92.0 | 92.2 | 92.3 | 93.1 |
| 58.3 | 65.2 | 72.9 | 81.2 | 84.4 | 88.5 | 90.4 | 91.4 | 91.8 | 92.6 | 92.9 | 93.1 | 93.3 | 93.3 | 94.2 |
| 58.4 | 65.4 | 73.2 | 81.6 | 84.9 | 89.4 | 91.2 | 92.3 | 92.7 | 93.6 | 93.8 | 94.0 | 94.2 | 94.3 | 95.1 |
| 58.4 | 65.3 | 73.4 | 81.9 | 85.3 | 90.0 | 92.1 | 93.2 | 93.6 | 94.5 | 94.8 | 94.9 | 95.1 | 95.2 | 96.0 |
| 58.5 | 65.7 | 73.6 | 82.3 | 85.7 | 90.7 | 92.9 | 94.1 | 94.5 | 95.4 | 95.7 | 95.8 | 96.0 | 96.1 | 97.0 |
| 58.5 | 65.7 | 73.6 | 82.4 | 86.0 | 91.1 | 93.3 | 94.8 | 95.3 | 96.2 | 96.5 | 96.7 | 96.9 | 97.0 | 98.0 |
| 58.5 | 65.7 | 73.6 | 82.4 | 86.0 | 91.2 | 93.6 | 95.2 | 95.7 | 96.7 | 97.0 | 97.2 | 97.4 | 97.5 | 98.7 |
| 58.5 | 65.7 | 73.6 | 82.4 | 86.0 | 91.2 | 93.6 | 95.2 | 95.9 | 97.0 | 97.3 | 97.5 | 97.8 | 97.9 | 99.0 |
| 58.5 | 65.7 | 73.6 | 82.4 | 86.0 | 91.2 | 93.6 | 95.2 | 95.9 | 97.0 | 97.3 | 97.5 | 97.8 | 97.9 | 99.2 |
| 58.5 | 65.7 | 73.6 | 82.4 | 86.0 | 91.2 | 93.6 | 95.2 | 95.9 | 97.0 | 97.3 | 97.5 | 97.8 | 97.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1412

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEEBACH AB GERMANY

54-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 24.7 | 26.7 | 28.8 | 31.4 | 32.1 | 33.0 | 33.6 | 34.4 | 35.0 | 35.3 | 35.5 | 35.6 | 35.6 | 35.7 | 36.0 |
| 28.2 | 30.6 | 33.6 | 36.8 | 37.5 | 38.7 | 39.3 | 40.3 | 41.0 | 41.3 | 41.4 | 41.5 | 41.7 | 41.8 | 42.2 |
| 28.2 | 30.6 | 33.6 | 36.8 | 37.5 | 38.7 | 39.3 | 40.3 | 41.0 | 41.3 | 41.4 | 41.5 | 41.7 | 41.8 | 42.2 |
| 28.3 | 30.7 | 33.7 | 36.9 | 37.7 | 38.8 | 39.4 | 40.4 | 41.1 | 41.4 | 41.5 | 41.7 | 41.9 | 41.9 | 42.3 |
| 28.6 | 31.1 | 34.0 | 37.2 | 38.0 | 39.1 | 39.7 | 40.8 | 41.4 | 41.7 | 41.9 | 42.0 | 42.2 | 42.2 | 42.6 |
| 29.6 | 32.2 | 35.2 | 38.4 | 39.2 | 40.4 | 41.0 | 42.0 | 42.6 | 43.0 | 43.1 | 43.2 | 43.4 | 43.5 | 43.9 |
| 30.6 | 33.4 | 36.5 | 40.1 | 40.8 | 42.1 | 42.7 | 43.7 | 44.4 | 44.8 | 45.0 | 45.1 | 45.3 | 45.3 | 45.7 |
| 31.4 | 34.4 | 37.5 | 41.1 | 41.9 | 43.1 | 43.7 | 44.8 | 45.5 | 45.9 | 46.1 | 46.2 | 46.4 | 46.5 | 47.0 |
| 33.5 | 36.8 | 40.3 | 44.4 | 45.2 | 46.5 | 47.3 | 48.4 | 49.1 | 49.5 | 49.7 | 49.8 | 50.1 | 50.2 | 50.6 |
| 36.6 | 40.2 | 44.2 | 48.4 | 49.2 | 50.8 | 51.6 | 52.6 | 53.4 | 54.1 | 54.3 | 54.4 | 54.7 | 54.8 | 55.4 |
| 38.3 | 42.4 | 46.9 | 51.2 | 52.3 | 54.0 | 54.8 | 56.1 | 56.8 | 57.6 | 57.8 | 57.9 | 58.2 | 58.3 | 59.0 |
| 39.3 | 43.9 | 48.9 | 53.4 | 54.8 | 56.7 | 57.6 | 58.9 | 59.7 | 60.2 | 60.7 | 60.9 | 61.2 | 61.2 | 62.1 |
| 40.0 | 44.7 | 49.7 | 54.3 | 55.7 | 57.8 | 58.7 | 60.0 | 60.8 | 61.7 | 61.9 | 62.0 | 62.3 | 62.4 | 63.2 |
| 41.1 | 46.1 | 51.5 | 56.3 | 57.8 | 60.1 | 61.0 | 62.3 | 63.2 | 64.2 | 64.3 | 64.9 | 64.9 | 65.0 | 65.9 |
| 42.1 | 47.2 | 52.8 | 57.8 | 59.4 | 61.6 | 62.6 | 64.1 | 65.1 | 66.0 | 66.3 | 66.5 | 66.8 | 66.9 | 67.8 |
| 43.5 | 49.0 | 53.8 | 60.4 | 62.1 | 64.6 | 65.6 | 67.1 | 68.2 | 69.3 | 69.6 | 69.8 | 70.1 | 70.2 | 71.3 |
| 45.2 | 51.1 | 57.7 | 62.8 | 64.8 | 67.2 | 68.2 | 69.7 | 70.9 | 71.9 | 72.2 | 72.4 | 72.7 | 72.8 | 74.0 |
| 46.4 | 52.5 | 59.4 | 65.1 | 67.4 | 69.9 | 70.9 | 72.4 | 73.6 | 74.6 | 74.9 | 75.1 | 75.3 | 75.5 | 76.7 |
| 47.0 | 53.2 | 60.5 | 66.3 | 68.7 | 71.3 | 72.3 | 73.9 | 75.1 | 76.2 | 76.6 | 76.7 | 77.1 | 77.1 | 78.3 |
| 48.8 | 55.6 | 63.3 | 69.4 | 71.8 | 74.5 | 75.6 | 77.2 | 78.6 | 79.8 | 80.1 | 80.3 | 80.6 | 80.7 | 81.8 |
| 50.5 | 57.8 | 66.3 | 72.7 | 75.2 | 78.2 | 79.5 | 81.3 | 82.6 | 84.0 | 84.4 | 84.6 | 84.9 | 84.9 | 86.1 |
| 51.4 | 59.2 | 68.5 | 73.4 | 76.1 | 81.4 | 82.8 | 84.7 | 86.0 | 87.3 | 87.7 | 87.9 | 88.2 | 88.3 | 89.5 |
| 52.1 | 59.9 | 69.3 | 76.3 | 79.1 | 82.5 | 84.0 | 85.9 | 87.1 | 88.5 | 88.9 | 89.1 | 89.4 | 89.5 | 90.6 |
| 52.2 | 60.1 | 69.6 | 75.9 | 79.8 | 83.8 | 85.5 | 87.3 | 88.7 | 90.1 | 90.4 | 90.6 | 91.0 | 91.0 | 92.2 |
| 52.4 | 60.3 | 70.0 | 77.5 | 80.5 | 84.9 | 86.7 | 88.6 | 90.1 | 91.5 | 91.9 | 92.1 | 92.4 | 92.4 | 93.6 |
| 52.4 | 60.4 | 70.3 | 77.8 | 81.0 | 85.6 | 87.9 | 90.0 | 91.7 | 93.0 | 93.4 | 93.6 | 93.9 | 94.0 | 95.2 |
| 52.5 | 60.5 | 70.4 | 78.3 | 81.6 | 86.5 | 88.9 | 91.1 | 93.2 | 94.8 | 95.3 | 95.5 | 95.9 | 95.9 | 97.1 |
| 52.5 | 60.5 | 70.4 | 78.4 | 81.4 | 86.6 | 89.3 | 91.5 | 93.7 | 95.3 | 95.7 | 95.9 | 96.3 | 96.4 | 97.4 |
| 52.5 | 60.5 | 70.4 | 78.4 | 82.0 | 87.0 | 89.5 | 91.8 | 93.9 | 95.7 | 96.2 | 96.4 | 97.0 | 97.0 | 98.6 |
| 52.5 | 60.5 | 70.4 | 78.4 | 82.0 | 87.0 | 89.5 | 91.8 | 94.0 | 95.8 | 96.4 | 96.6 | 97.3 | 97.4 | 98.6 |
| 52.5 | 60.5 | 70.4 | 78.4 | 82.0 | 87.0 | 89.5 | 91.8 | 94.0 | 95.8 | 96.4 | 96.6 | 97.4 | 97.4 | 98.6 |
| 52.5 | 60.5 | 70.4 | 78.4 | 82.0 | 87.0 | 89.5 | 91.8 | 94.0 | 95.8 | 96.4 | 96.6 | 97.4 | 97.4 | 98.6 |
| 52.5 | 60.5 | 70.4 | 78.4 | 82.0 | 87.0 | 89.5 | 91.8 | 94.0 | 95.8 | 96.4 | 96.6 | 97.4 | 97.4 | 98.6 |

TOTAL NUMBER OF OBSERVATIONS

154

1

409.

2.

1000

THE NATIONAL BUREAU OF FIRE PROTECTION
FIRE LOSS PREVENTION DIVISION

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TOTAL NUMBER OF OBSERVATIONS

12

[illegible]

AD-A087 821 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC P/O 4/2
SEMPACH AB, GERMANY, REVISED UNIFORM SUMMARY OF SURFACE WEATHER--ETC (U)
SEP 74
UNCLASSIFIED USAFETAC/DS-80/061 NL

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/O 4/2
SENRACH AB, GERMANY; REVISED UNIFORM SUMMARY OF SURFACE WEATHER--ETC (U)
SEP 74
USAFETAC/DS-80/061

NL

3-5

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

34-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

| | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1000 | 23.5 | 24.4 | 26.0 | 26.3 | 26.4 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 |
| 900 | 31.4 | 32.6 | 34.4 | 34.9 | 35.0 | 35.2 | 35.2 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 |
| 800 | 31.9 | 32.7 | 34.6 | 35.0 | 35.2 | 35.3 | 35.3 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| 700 | 32.1 | 33.3 | 35.2 | 35.6 | 35.7 | 35.9 | 35.9 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| 600 | 32.9 | 34.2 | 36.2 | 36.6 | 36.8 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| 500 | 34.8 | 36.3 | 38.4 | 38.9 | 39.0 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 |
| 400 | 35.6 | 37.3 | 39.5 | 40.0 | 40.3 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 |
| 300 | 37.8 | 39.6 | 42.2 | 42.8 | 42.9 | 43.1 | 43.1 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| 200 | 39.1 | 41.1 | 43.9 | 44.6 | 44.7 | 44.9 | 44.9 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| 100 | 41.3 | 43.8 | 46.7 | 47.3 | 47.4 | 47.7 | 47.7 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 |
| 0 | 43.6 | 46.1 | 49.1 | 49.8 | 50.0 | 50.2 | 50.2 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| 4500 | 46.3 | 48.8 | 51.9 | 52.6 | 52.8 | 53.0 | 53.0 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| 4000 | 50.3 | 53.3 | 56.4 | 57.3 | 57.5 | 57.8 | 57.8 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 |
| 3500 | 53.3 | 56.3 | 59.6 | 60.6 | 60.8 | 61.1 | 61.1 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| 3000 | 61.3 | 64.8 | 68.4 | 69.3 | 69.5 | 69.9 | 69.9 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| 2500 | 67.6 | 71.7 | 75.3 | 76.3 | 77.1 | 77.3 | 77.3 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| 2000 | 71.9 | 76.6 | 81.2 | 82.3 | 83.1 | 83.6 | 83.6 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| 1800 | 73.6 | 78.3 | 83.8 | 85.2 | 85.8 | 86.3 | 86.3 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| 1500 | 73.3 | 80.8 | 86.6 | 88.3 | 89.0 | 89.7 | 89.7 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 1200 | 78.1 | 84.1 | 90.3 | 92.2 | 93.2 | 94.0 | 94.1 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| 1000 | 78.9 | 85.4 | 91.9 | 94.0 | 95.3 | 96.0 | 96.1 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 900 | 78.9 | 85.3 | 92.1 | 94.3 | 95.6 | 96.6 | 96.7 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| 800 | 79.1 | 85.8 | 92.7 | 95.1 | 96.5 | 97.5 | 97.5 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 700 | 79.1 | 86.0 | 92.9 | 95.3 | 96.9 | 98.1 | 98.2 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 600 | 79.1 | 86.0 | 93.0 | 95.6 | 97.1 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 500 | 79.1 | 86.0 | 93.0 | 95.6 | 97.1 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 400 | 79.1 | 86.0 | 93.0 | 95.6 | 97.1 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 300 | 79.1 | 86.0 | 93.0 | 95.6 | 97.1 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 200 | 79.1 | 86.0 | 93.0 | 95.6 | 97.1 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 100 | 79.1 | 86.0 | 93.0 | 95.6 | 97.1 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 0 | 79.1 | 86.0 | 93.0 | 95.6 | 97.1 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |

TOTAL NUMBER OF OBSERVATIONS

1399

1

54-72

APR

1400-1700

| | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 5000 | 26.1 | 27.5 | 28.1 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 |
| 4000 | 37.2 | 38.8 | 39.6 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 |
| 3000 | 37.3 | 39.1 | 39.8 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| 2000 | 37.5 | 39.3 | 39.9 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 |
| 1000 | 37.7 | 39.6 | 40.1 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 |
| 500 | 38.8 | 40.5 | 41.2 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| 250 | 40.7 | 42.3 | 43.1 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| 100 | 41.8 | 43.6 | 44.3 | 44.9 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 50 | 43.8 | 45.4 | 46.3 | 47.1 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 25 | 47.0 | 48.9 | 49.9 | 50.6 | 50.8 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |
| 10 | 50.3 | 52.4 | 53.3 | 54.2 | 54.4 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 5 | 54.4 | 57.0 | 57.9 | 58.6 | 58.8 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| 2 | 58.9 | 59.7 | 60.9 | 61.7 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| 1 | 61.9 | 65.0 | 66.3 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 0 | 66.6 | 70.0 | 71.3 | 72.4 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| 5000 | 72.4 | 76.1 | 78.1 | 7 | | | | | | | | | | | | | | | | | | | | | | | |

2342

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 REMBACH AB GERMANY

86-08-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

| | | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1. 1000 | 1. 1000 | 30.2 | 31.2 | 32.3 | 32.7 | 33.2 | 33.4 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| | 2. 900 | 42.1 | 44.6 | 45.9 | 47.0 | 47.4 | 47.7 | 47.8 | 47.8 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 |
| 2. 900 | 1. 1000 | 42.3 | 44.8 | 46.0 | 47.2 | 47.6 | 47.9 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| | 2. 900 | 42.6 | 45.1 | 46.3 | 47.4 | 47.8 | 48.2 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 |
| 3. 800 | 1. 1000 | 43.4 | 46.2 | 47.4 | 48.6 | 49.0 | 49.3 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| | 2. 900 | 45.2 | 48.0 | 49.4 | 50.6 | 51.1 | 51.4 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| 4. 800 | 1. 1000 | 46.5 | 49.3 | 50.9 | 52.1 | 52.6 | 52.9 | 53.0 | 53.0 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 |
| | 2. 900 | 49.6 | 52.6 | 54.1 | 55.4 | 55.8 | 56.2 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| 5. 700 | 1. 1000 | 53.0 | 56.1 | 57.7 | 59.4 | 61.0 | 62.3 | 62.3 | 62.3 | 62.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| | 2. 900 | 58.8 | 62.2 | 63.8 | 65.5 | 66.8 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| 6. 700 | 1. 1000 | 61.9 | 65.8 | 67.3 | 69.1 | 69.7 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| | 2. 900 | 64.2 | 67.9 | 69.5 | 71.7 | 72.3 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| 7. 600 | 1. 1000 | 66.5 | 70.9 | 72.7 | 74.7 | 75.3 | 75.6 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| | 2. 900 | 69.6 | 74.2 | 76.2 | 78.5 | 79.2 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| 8. 600 | 1. 1000 | 73.0 | 78.0 | 80.5 | 82.8 | 83.9 | 84.6 | 84.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| | 2. 900 | 76.4 | 81.5 | 84.3 | 86.8 | 88.0 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| 9. 500 | 1. 1000 | 78.0 | 83.7 | 86.7 | 89.2 | 90.5 | 91.2 | 91.4 | 91.4 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| | 2. 900 | 78.6 | 84.3 | 87.6 | 90.1 | 91.4 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| 10. 500 | 1. 1000 | 79.4 | 85.2 | 88.8 | 91.7 | 93.2 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| | 2. 900 | 79.9 | 86.5 | 90.2 | 93.3 | 94.9 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 11. 400 | 1. 1000 | 80.1 | 86.9 | 90.7 | 94.4 | 95.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| | 2. 900 | 80.1 | 86.9 | 91.0 | 94.7 | 96.4 | 97.3 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 12. 400 | 1. 1000 | 80.1 | 87.0 | 91.1 | 94.9 | 96.8 | 97.8 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| | 2. 900 | 80.1 | 87.0 | 91.3 | 95.6 | 97.4 | 98.1 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| 13. 300 | 1. 1000 | 80.1 | 87.0 | 91.3 | 95.6 | 97.7 | 98.1 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| | 2. 900 | 80.1 | 87.0 | 91.3 | 95.6 | 97.7 | 98.1 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 14. 200 | 1. 1000 | 80.1 | 87.0 | 91.3 | 95.6 | 97.7 | 98.1 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| | 2. 900 | 80.1 | 87.0 | 91.3 | 95.6 | 97.7 | 98.1 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 15. 100 | 1. 1000 | 80.1 | 87.0 | 91.3 | 95.6 | 97.7 | 98.1 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| | 2. 900 | 80.1 | 87.0 | 91.3 | 95.6 | 97.7 | 98.1 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |

TOTAL NUMBER OF OBSERVATIONS

1981

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94086 SEMBACH AB GERMANY

24-88

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

| | | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|----------------|-------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 20 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 |
| CEILING - FEET | 20000 | 39.1 | 48.1 | 48.0 | 46.4 | 47.0 | 47.3 | 47.3 | 47.0 | 47.7 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| | 18000 | 44.8 | 48.2 | 48.3 | 44.0 | 44.7 | 55.0 | 55.3 | 55.3 | 55.3 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| | 16000 | 44.8 | 48.2 | 48.3 | 44.0 | 44.7 | 55.0 | 55.3 | 55.3 | 55.3 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| | 14000 | 44.8 | 48.2 | 48.4 | 44.1 | 44.7 | 55.1 | 55.3 | 55.4 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| | 12000 | 45.8 | 49.3 | 48.6 | 43.3 | 43.9 | 55.3 | 55.5 | 55.6 | 55.7 | 55.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| | 10000 | 46.7 | 50.3 | 44.6 | 46.3 | 47.0 | 57.6 | 57.8 | 57.9 | 58.0 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| | 9000 | 48.4 | 52.1 | 44.3 | 48.0 | 48.8 | 59.4 | 59.6 | 59.7 | 59.9 | 59.9 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| | 8000 | 51.0 | 54.9 | 49.1 | 51.0 | 51.9 | 62.7 | 62.9 | 63.0 | 63.1 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| | 7000 | 55.9 | 60.1 | 64.4 | 66.3 | 67.4 | 68.1 | 68.4 | 68.4 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| | 6000 | 59.3 | 63.9 | 68.4 | 70.7 | 71.8 | 72.7 | 72.9 | 73.0 | 73.1 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| | 5000 | 62.6 | 67.0 | 71.6 | 74.1 | 75.3 | 76.2 | 76.4 | 76.6 | 76.7 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| | 4500 | 65.2 | 69.9 | 72.6 | 75.3 | 76.7 | 77.6 | 77.9 | 78.0 | 78.1 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| | 4000 | 68.0 | 70.0 | 73.4 | 75.9 | 80.1 | 81.3 | 81.5 | 81.6 | 81.8 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| | 3500 | 68.9 | 72.0 | 77.8 | 81.3 | 83.0 | 84.2 | 84.4 | 84.6 | 84.7 | 84.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| | 3000 | 68.1 | 72.4 | 79.3 | 82.4 | 85.2 | 86.4 | 86.7 | 86.8 | 87.0 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| | 2500 | 69.4 | 73.0 | 81.3 | 83.3 | 87.2 | 88.4 | 88.7 | 88.8 | 89.0 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| | 2000 | 70.1 | 73.1 | 82.6 | 86.6 | 88.7 | 90.1 | 90.3 | 90.4 | 90.6 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| | 1800 | 70.4 | 73.3 | 83.3 | 87.4 | 89.8 | 91.0 | 91.3 | 91.4 | 91.6 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| | 1500 | 71.2 | 74.0 | 84.9 | 89.3 | 91.4 | 92.0 | 92.3 | 92.3 | 92.6 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| | 1200 | 71.8 | 74.9 | 86.7 | 91.3 | 93.6 | 93.3 | 93.6 | 93.7 | 93.9 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| | 1000 | 72.1 | 75.0 | 87.3 | 92.3 | 94.6 | 93.3 | 93.6 | 93.7 | 93.9 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| | 900 | 72.1 | 75.0 | 87.7 | 93.0 | 93.1 | 93.0 | 93.3 | 93.4 | 93.6 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| | 800 | 72.1 | 75.0 | 87.7 | 93.4 | 93.6 | 93.9 | 93.1 | 93.3 | 93.4 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| | 700 | 72.1 | 75.0 | 87.8 | 93.6 | 93.8 | 93.1 | 93.4 | 93.5 | 93.7 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| | 600 | 72.1 | 75.7 | 87.9 | 93.6 | 93.9 | 93.2 | 93.6 | 93.7 | 93.9 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| | 500 | 72.1 | 75.7 | 87.9 | 93.6 | 94.0 | 93.8 | 93.9 | 94.0 | 94.2 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| | 400 | 72.1 | 75.7 | 87.9 | 93.6 | 94.1 | 93.8 | 93.9 | 94.0 | 94.3 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| | 300 | 72.1 | 75.7 | 87.9 | 93.6 | 94.1 | 93.8 | 93.9 | 94.0 | 94.3 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| | 200 | 72.1 | 75.7 | 87.9 | 93.6 | 94.1 | 93.8 | 93.9 | 94.0 | 94.3 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| | 100 | 72.1 | 75.7 | 87.9 | 93.6 | 94.1 | 93.8 | 93.9 | 94.0 | 94.3 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| | 0 | 72.1 | 75.7 | 87.9 | 93.6 | 94.1 | 93.8 | 93.9 | 94.0 | 94.3 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |

TOTAL NUMBER OF OBSERVATIONS

3880

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

34-00071

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3000-0200

| | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 20 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |
| CEILING
FEET | 1000 | 42.9 | 46.9 | 48.7 | 50.7 | 51.5 | 52.3 | 52.4 | 52.5 | 52.7 | 52.9 | 52.9 | 53.1 | 53.1 | 53.1 | 53.1 | 53.6 |
| | 900 | 46.6 | 50.9 | 53.2 | 55.6 | 56.4 | 57.2 | 57.3 | 57.4 | 57.6 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.6 |
| 800 | 700 | 46.6 | 50.9 | 53.2 | 55.6 | 56.4 | 57.2 | 57.3 | 57.4 | 57.6 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.6 |
| | 600 | 46.6 | 50.9 | 53.2 | 55.6 | 56.4 | 57.2 | 57.3 | 57.4 | 57.6 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.6 |
| 500 | 400 | 46.8 | 51.0 | 53.4 | 55.8 | 56.6 | 57.4 | 57.4 | 57.6 | 57.8 | 58.0 | 58.0 | 58.2 | 58.3 | 58.3 | 58.3 | 58.9 |
| | 300 | 47.9 | 52.4 | 54.7 | 57.1 | 58.0 | 58.9 | 58.9 | 59.1 | 59.3 | 59.5 | 59.5 | 59.7 | 59.8 | 59.8 | 60.2 | 60.5 |
| 400 | 200 | 48.8 | 53.2 | 55.6 | 58.1 | 58.9 | 59.8 | 59.9 | 60.0 | 60.2 | 60.4 | 60.4 | 60.6 | 60.7 | 60.8 | 61.2 | 61.5 |
| | 100 | 51.3 | 56.1 | 58.6 | 61.1 | 61.9 | 62.8 | 62.9 | 63.0 | 63.2 | 63.4 | 63.4 | 63.6 | 63.7 | 63.8 | 64.2 | 64.5 |
| 300 | 0 | 54.9 | 59.8 | 62.6 | 65.2 | 66.1 | 67.0 | 67.1 | 67.2 | 67.4 | 67.6 | 67.6 | 67.9 | 67.9 | 68.0 | 68.7 | 68.7 |
| | | 59.4 | 64.7 | 68.0 | 71.4 | 72.3 | 73.2 | 73.3 | 73.3 | 73.8 | 74.0 | 74.0 | 74.2 | 74.4 | 74.4 | 75.2 | 75.2 |
| 200 | | 62.3 | 67.9 | 71.4 | 74.9 | 75.8 | 76.7 | 76.8 | 77.0 | 77.4 | 77.6 | 77.6 | 77.8 | 77.9 | 78.0 | 78.8 | 78.8 |
| | | 64.4 | 70.6 | 74.3 | 78.3 | 79.6 | 80.3 | 80.6 | 80.8 | 81.1 | 81.4 | 81.4 | 81.6 | 81.7 | 81.8 | 82.6 | 82.6 |
| 100 | | 65.9 | 72.4 | 76.4 | 80.3 | 81.6 | 82.3 | 82.6 | 82.8 | 83.1 | 83.4 | 83.4 | 83.6 | 83.7 | 83.8 | 84.6 | 84.6 |
| | | 67.1 | 73.8 | 78.1 | 82.2 | 83.7 | 84.8 | 84.9 | 85.1 | 85.3 | 85.7 | 85.7 | 85.9 | 86.1 | 86.1 | 86.9 | 86.9 |
| 0 | | 68.1 | 75.1 | 79.6 | 83.8 | 85.3 | 86.4 | 86.4 | 86.7 | 87.1 | 87.3 | 87.3 | 87.5 | 87.6 | 87.7 | 88.5 | 88.5 |
| | | 69.2 | 76.1 | 80.7 | 85.0 | 86.6 | 87.7 | 87.8 | 88.1 | 88.4 | 88.6 | 88.6 | 88.9 | 89.0 | 89.1 | 89.9 | 89.9 |
| | | 69.6 | 76.8 | 81.6 | 85.9 | 87.6 | 88.7 | 88.8 | 89.1 | 89.4 | 89.6 | 89.6 | 89.9 | 90.0 | 90.1 | 90.9 | 90.9 |
| | | 70.5 | 78.1 | 83.0 | 87.3 | 89.4 | 90.5 | 90.6 | 90.9 | 91.2 | 91.4 | 91.4 | 91.6 | 91.8 | 91.9 | 92.7 | 92.7 |
| | | 70.9 | 78.6 | 83.6 | 88.1 | 90.0 | 91.1 | 91.2 | 91.3 | 91.6 | 91.9 | 92.1 | 92.1 | 92.3 | 92.4 | 93.4 | 93.4 |
| | | 71.6 | 79.3 | 84.6 | 89.2 | 91.1 | 92.3 | 92.4 | 92.7 | 93.1 | 93.3 | 93.3 | 93.5 | 93.6 | 93.7 | 94.6 | 94.6 |
| | | 71.9 | 80.1 | 85.0 | 90.8 | 92.7 | 94.0 | 94.1 | 94.4 | 94.8 | 95.1 | 95.1 | 95.3 | 95.4 | 95.5 | 96.4 | 96.4 |
| | | 72.3 | 80.5 | 86.4 | 91.4 | 93.4 | 94.7 | 94.9 | 95.2 | 95.6 | 95.9 | 96.1 | 96.2 | 96.3 | 96.3 | 97.2 | 97.2 |
| | | 72.4 | 80.7 | 86.6 | 91.9 | 93.9 | 95.3 | 95.3 | 95.8 | 96.1 | 96.4 | 96.4 | 96.6 | 96.8 | 96.9 | 97.6 | 97.6 |
| | | 72.4 | 80.7 | 86.8 | 92.1 | 94.4 | 95.7 | 96.1 | 96.4 | 96.7 | 97.0 | 97.0 | 97.2 | 97.4 | 97.4 | 98.4 | 98.4 |
| | | 72.4 | 80.7 | 86.8 | 92.3 | 94.6 | 96.0 | 96.4 | 96.6 | 97.0 | 97.3 | 97.3 | 97.5 | 97.6 | 97.7 | 98.7 | 98.7 |
| | | 72.4 | 80.7 | 86.9 | 92.4 | 94.8 | 96.3 | 96.6 | 97.0 | 97.4 | 97.7 | 97.7 | 97.9 | 98.0 | 98.1 | 99.1 | 99.1 |
| | | 72.4 | 80.7 | 86.9 | 92.4 | 94.8 | 96.3 | 96.6 | 97.0 | 97.4 | 97.7 | 97.7 | 97.9 | 98.0 | 98.1 | 99.1 | 99.1 |
| | | 72.4 | 80.7 | 86.9 | 92.4 | 94.9 | 96.6 | 97.0 | 97.4 | 97.7 | 97.7 | 97.9 | 98.0 | 98.1 | 98.1 | 99.1 | 99.1 |
| | | 72.4 | 80.7 | 86.9 | 92.4 | 94.9 | 96.6 | 97.0 | 97.4 | 97.7 | 97.7 | 97.9 | 98.0 | 98.1 | 98.1 | 99.1 | 99.1 |
| | | 72.4 | 80.7 | 86.9 | 92.4 | 94.9 | 96.6 | 97.0 | 97.4 | 97.7 | 97.7 | 97.9 | 98.0 | 98.1 | 98.1 | 99.1 | 99.1 |
| | | 72.4 | 80.7 | 86.9 | 92.4 | 94.9 | 96.6 | 97.0 | 97.4 | 97.7 | 97.7 | 97.9 | 98.0 | 98.1 | 98.1 | 99.1 | 99.1 |
| | | 72.4 | 80.7 | 86.9 | 92.4 | 94.9 | 96.6 | 97.0 | 97.4 | 97.7 | 97.7 | 97.9 | 98.0 | 98.1 | 98.1 | 99.1 | 99.1 |

TOTAL NUMBER OF OBSERVATIONS

1490

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34056 SENBACH AB GERMANY

54-72

LAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0800-0800

| FEET | 20 | 26 | 32 | 38 | 44 | 50 | 56 | 62 | 68 | 74 | 80 | 86 | 92 | 98 | 104 | 110 | 116 | 122 | 128 | 134 | 140 | 146 | 152 | 158 | 164 | 170 | 176 | 182 | 188 | 194 | 200 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1000 | 32.8 | 30.1 | 38.2 | 40.2 | 41.0 | 42.5 | 48.9 | 43.3 | 49.0 | 44.2 | 44.3 | 44.5 | 44.7 | 44.7 | 45.5 | | | | | | | | | | | | | | | | |
| 900 | 36.0 | 39.0 | 42.1 | 44.3 | 45.1 | 46.7 | 47.3 | 47.7 | 48.0 | 48.6 | 48.7 | 49.0 | 49.2 | 49.2 | 49.2 | | | | | | | | | | | | | | | | |
| 800 | 36.0 | 39.0 | 42.1 | 44.3 | 45.1 | 46.7 | 47.3 | 47.7 | 48.0 | 48.6 | 48.7 | 49.0 | 49.2 | 49.2 | 49.2 | | | | | | | | | | | | | | | | |
| 700 | 36.0 | 39.0 | 42.1 | 44.3 | 45.1 | 46.7 | 47.3 | 47.7 | 48.0 | 48.6 | 48.7 | 49.0 | 49.2 | 49.2 | 49.2 | | | | | | | | | | | | | | | | |
| 600 | 36.0 | 39.0 | 42.1 | 44.3 | 45.1 | 46.7 | 47.3 | 47.7 | 48.0 | 48.6 | 48.7 | 49.0 | 49.2 | 49.2 | 49.2 | | | | | | | | | | | | | | | | |
| 500 | 37.7 | 41.8 | 44.0 | 46.4 | 47.8 | 48.8 | 49.5 | 49.9 | 50.2 | 50.8 | 51.1 | 51.4 | 51.8 | 51.8 | 52.7 | | | | | | | | | | | | | | | | |
| 400 | 39.3 | 43.2 | 46.0 | 48.4 | 49.8 | 51.0 | 51.6 | 52.0 | 52.2 | 52.9 | 53.2 | 53.5 | 53.9 | 53.9 | 54.8 | | | | | | | | | | | | | | | | |
| 300 | 42.1 | 46.3 | 49.2 | 51.9 | 52.7 | 54.0 | 55.2 | 55.6 | 56.0 | 56.7 | 57.0 | 57.3 | 57.7 | 57.7 | 58.8 | | | | | | | | | | | | | | | | |
| 200 | 47.1 | 52.0 | 55.8 | 59.1 | 60.0 | 62.1 | 62.8 | 63.2 | 63.7 | 64.3 | 64.8 | 65.1 | 65.5 | 65.5 | 66.8 | | | | | | | | | | | | | | | | |
| 100 | 49.7 | 54.9 | 59.0 | 62.4 | 63.3 | 65.3 | 65.9 | 66.2 | 66.6 | 67.1 | 67.5 | 67.8 | 68.2 | 68.2 | 69.5 | | | | | | | | | | | | | | | | |
| 0 | 51.8 | 57.5 | 61.8 | 65.5 | 66.6 | 69.1 | 69.8 | 70.2 | 70.9 | 71.3 | 71.9 | 72.2 | 72.5 | 72.5 | 73.9 | | | | | | | | | | | | | | | | |
| 1000 | 52.3 | 58.2 | 62.6 | 66.6 | 67.6 | 70.2 | 70.9 | 71.3 | 72.0 | 72.5 | 73.0 | 73.3 | 73.6 | 74.1 | 74.4 | | | | | | | | | | | | | | | | |
| 900 | 52.6 | 58.6 | 63.0 | 67.0 | 68.0 | 70.6 | 71.3 | 71.9 | 72.6 | 73.1 | 73.6 | 73.9 | 74.4 | 74.7 | 75.1 | | | | | | | | | | | | | | | | |
| 800 | 54.2 | 60.3 | 64.7 | 68.7 | 69.7 | 72.3 | 73.0 | 73.6 | 74.3 | 74.8 | 75.3 | 75.7 | 76.2 | 76.5 | 77.0 | | | | | | | | | | | | | | | | |
| 700 | 55.4 | 61.5 | 65.9 | 69.9 | 70.9 | 73.5 | 74.2 | 74.8 | 75.5 | 76.0 | 76.5 | 77.0 | 77.5 | 77.8 | 78.3 | | | | | | | | | | | | | | | | |
| 600 | 56.0 | 62.1 | 66.5 | 70.5 | 71.5 | 74.1 | 74.8 | 75.4 | 76.1 | 76.6 | 77.1 | 77.6 | 78.1 | 78.4 | 78.9 | | | | | | | | | | | | | | | | |
| 500 | 57.7 | 63.8 | 68.2 | 72.2 | 73.2 | 75.8 | 76.5 | 77.1 | 77.8 | 78.3 | 78.8 | 79.3 | 79.8 | 80.1 | 80.6 | | | | | | | | | | | | | | | | |
| 400 | 58.0 | 64.1 | 68.5 | 72.5 | 73.5 | 76.1 | 76.8 | 77.4 | 78.1 | 78.6 | 79.1 | 79.6 | 80.1 | 80.6 | 81.1 | | | | | | | | | | | | | | | | |
| 300 | 59.4 | 65.5 | 69.9 | 73.9 | 74.9 | 77.5 | 78.2 | 78.8 | 79.5 | 80.0 | 80.5 | 81.0 | 81.5 | 82.0 | 82.5 | | | | | | | | | | | | | | | | |
| 200 | 60.2 | 66.3 | 70.7 | 74.7 | 75.7 | 78.3 | 79.0 | 79.6 | 80.3 | 80.8 | 81.3 | 81.8 | 82.3 | 82.8 | 83.3 | | | | | | | | | | | | | | | | |
| 100 | 60.8 | 66.9 | 71.3 | 75.3 | 76.3 | 78.9 | 79.6 | 80.2 | 80.9 | 81.4 | 81.9 | 82.4 | 82.9 | 83.4 | 83.9 | | | | | | | | | | | | | | | | |
| 0 | 60.9 | 67.0 | 71.4 | 75.4 | 76.4 | 79.0 | 79.7 | 80.3 | 81.0 | 81.5 | 82.0 | 82.5 | 83.0 | 83.5 | 84.0 | | | | | | | | | | | | | | | | |
| 1000 | 60.9 | 67.0 | 71.4 | 75.4 | 76.4 | 79.0 | 79.7 | 80.3 | 81.0 | 81.5 | 82.0 | 82.5 | 83.0 | 83.5 | 84.0 | | | | | | | | | | | | | | | | |
| 900 | 60.9 | 67.0 | 71.4 | 75.4 | 76.4 | 79.0 | 79.7 | 80.3 | 81.0 | 81.5 | 82.0 | 82.5 | 83.0 | 83.5 | 84.0 | | | | | | | | | | | | | | | | |
| 800 | 60.9 | 67.0 | 71.4 | 75.4 | 76.4 | 79.0 | 79.7 | 80.3 | 81.0 | 81.5 | 82.0 | 82.5 | 83.0 | 83.5 | 84.0 | | | | | | | | | | | | | | | | |
| 700 | 60.9 | 67.0 | 71.4 | 75.4 | 76.4 | 79.0 | 79.7 | 80.3 | 81.0 | 81.5 | 82.0 | 82.5 | 83.0 | 83.5 | 84.0 | | | | | | | | | | | | | | | | |
| 600 | 61.0 | 70.0 | 78.0 | 88.0 | 87.0 | 91.7 | 92.9 | 93.7 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | | | | | | | | | | | | | | | | |
| 500 | 61.0 | 70.0 | 78.0 | 88.0 | 87.0 | 91.7 | 92.9 | 93.7 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | | | | | | | | | | | | | | | | |
| 400 | 61.0 | 70.0 | 78.0 | 88.0 | 87.0 | 91.7 | 92.9 | 93.7 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | | | | | | | | | | | | | | | | |
| 300 | 61.0 | 70.0 | 78.0 | 88.0 | 87.0 | 91.7 | 92.9 | 93.7 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | | | | | | | | | | | | | | | | |
| 200 | 61.0 | 70.0 | 78.0 | 88.0 | 87.0 | 91.7 | 92.9 | 93.7 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | | | | | | | | | | | | | | | | |
| 100 | 61.0 | 70.0 | 78.0 | 88.0 | 87.0 | 91.7 | 92.9 | 93.7 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | | | | | | | | | | | | | | | | |
| 0 | 61.0 | 70.0 | 78.0 | 88.0 | 87.0 | 91.7 | 92.9 | 93.7 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

1462

1

CEILING VERSUS VISIBILITY

34050 SEMBACH AD GERMANY

54-72

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

0609-0100

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 20.2 | 29.4 | 31.6 | 33.9 | 34.1 | 35.2 | 35.7 | 35.8 | 36.1 | 36.3 | 36.4 | 36.6 | 36.7 | 36.7 | 37.3 |
| 31.7 | 35.8 | 37.9 | 38.8 | 41.0 | 42.8 | 43.0 | 43.2 | 43.7 | 44.1 | 44.2 | 44.4 | 44.6 | 44.8 | 45.2 |
| 31.7 | 35.7 | 38.1 | 40.0 | 41.2 | 42.9 | 43.3 | 43.5 | 44.1 | 44.4 | 44.6 | 44.8 | 44.9 | 44.9 | 45.3 |
| 31.8 | 35.7 | 38.2 | 40.1 | 41.3 | 42.9 | 43.4 | 43.6 | 44.1 | 44.5 | 44.6 | 44.8 | 44.9 | 44.9 | 45.6 |
| 32.0 | 35.9 | 38.4 | 40.3 | 41.5 | 43.2 | 43.6 | 43.8 | 44.4 | 44.8 | 44.9 | 45.1 | 45.2 | 45.2 | 45.8 |
| 32.5 | 36.4 | 39.1 | 41.0 | 42.2 | 43.8 | 44.2 | 44.4 | 45.0 | 45.4 | 45.5 | 45.7 | 45.8 | 45.8 | 46.3 |
| 34.3 | 38.2 | 41.0 | 43.0 | 44.2 | 45.9 | 46.3 | 46.5 | 47.2 | 47.5 | 47.7 | 47.9 | 48.0 | 48.0 | 48.7 |
| 36.2 | 40.4 | 42.3 | 44.2 | 46.3 | 48.2 | 48.7 | 48.9 | 49.6 | 49.9 | 50.1 | 50.2 | 50.4 | 50.4 | 51.1 |
| 37.3 | 42.9 | 47.2 | 49.3 | 50.6 | 52.4 | 53.1 | 53.4 | 54.4 | 54.6 | 54.8 | 55.0 | 55.0 | 55.0 | 55.8 |
| 42.2 | 47.3 | 51.5 | 54.0 | 55.4 | 57.3 | 58.0 | 58.3 | 59.1 | 59.6 | 59.8 | 60.0 | 60.2 | 60.2 | 61.0 |
| 44.6 | 50.3 | 54.9 | 57.7 | 59.1 | 61.1 | 61.9 | 62.2 | 63.1 | 63.7 | 63.8 | 64.0 | 64.2 | 64.2 | 65.1 |
| 46.3 | 52.7 | 57.6 | 61.1 | 62.5 | 64.7 | 65.7 | 66.1 | 67.0 | 67.8 | 67.8 | 68.0 | 68.2 | 68.2 | 69.2 |
| 47.2 | 53.8 | 58.7 | 62.3 | 63.8 | 66.1 | 67.1 | 67.4 | 68.4 | 68.9 | 69.2 | 69.4 | 69.7 | 69.7 | 70.5 |
| 48.6 | 55.2 | 60.8 | 64.6 | 66.1 | 68.3 | 69.3 | 69.8 | 70.9 | 71.4 | 71.7 | 71.9 | 72.1 | 72.1 | 73.0 |
| 49.7 | 56.4 | 62.3 | 66.2 | 67.8 | 70.3 | 71.3 | 71.7 | 72.7 | 73.2 | 73.5 | 73.7 | 74.0 | 74.0 | 74.8 |
| 51.3 | 58.7 | 64.8 | 68.7 | 71.3 | 74.0 | 75.2 | 75.7 | 76.7 | 77.2 | 77.6 | 77.8 | 78.1 | 78.1 | 79.0 |
| 53.1 | 60.4 | 67.1 | 71.7 | 73.6 | 76.2 | 77.4 | 77.9 | 79.0 | 79.6 | 80.0 | 80.2 | 80.3 | 80.3 | 81.4 |
| 54.4 | 62.1 | 69.0 | 73.8 | 75.4 | 78.3 | 79.5 | 80.0 | 81.2 | 81.9 | 82.2 | 82.4 | 82.7 | 82.7 | 83.6 |
| 55.2 | 62.8 | 69.9 | 74.7 | 76.4 | 79.2 | 80.3 | 81.0 | 82.1 | 82.8 | 83.2 | 83.4 | 83.6 | 83.6 | 84.5 |
| 56.3 | 64.1 | 71.3 | 76.4 | 78.2 | 81.0 | 82.2 | 82.9 | 84.0 | 84.7 | 85.1 | 85.3 | 85.5 | 85.5 | 86.3 |
| 58.0 | 66.4 | 74.2 | 79.6 | 81.3 | 84.3 | 85.7 | 86.3 | 87.5 | 88.2 | 88.6 | 88.7 | 89.0 | 89.0 | 89.9 |
| 59.1 | 67.9 | 76.0 | 81.8 | 83.9 | 87.1 | 88.4 | 89.0 | 90.1 | 90.8 | 91.2 | 91.4 | 91.7 | 91.7 | 92.5 |
| 59.3 | 68.6 | 77.0 | 83.1 | 85.3 | 88.6 | 89.8 | 90.3 | 91.7 | 92.4 | 92.9 | 93.2 | 93.2 | 93.2 | 94.1 |
| 59.3 | 69.0 | 77.7 | 84.1 | 86.4 | 89.8 | 91.0 | 91.7 | 93.0 | 93.7 | 94.1 | 94.3 | 94.6 | 94.6 | 95.5 |
| 59.8 | 69.3 | 78.1 | 84.7 | 87.2 | 90.6 | 91.9 | 92.3 | 93.9 | 94.7 | 95.1 | 95.3 | 95.3 | 95.3 | 96.3 |
| 59.6 | 69.9 | 78.4 | 85.2 | 88.1 | 91.7 | 93.0 | 93.6 | 95.1 | 95.9 | 96.3 | 96.5 | 96.7 | 96.7 | 97.7 |
| 59.6 | 69.3 | 78.3 | 86.0 | 88.6 | 92.2 | 93.6 | 94.2 | 95.8 | 96.6 | 97.0 | 97.2 | 97.3 | 97.3 | 98.4 |
| 59.6 | 69.9 | 78.3 | 86.1 | 88.7 | 92.4 | 93.9 | 94.5 | 96.1 | 97.0 | 97.3 | 97.5 | 97.5 | 97.5 | 98.7 |
| 59.8 | 69.3 | 78.3 | 86.1 | 88.7 | 92.3 | 94.0 | 94.6 | 96.3 | 97.2 | 97.6 | 97.8 | 98.2 | 98.2 | 99.4 |
| 59.6 | 69.3 | 78.3 | 86.1 | 88.7 | 92.3 | 94.0 | 94.6 | 96.3 | 97.2 | 97.7 | 97.9 | 98.3 | 98.3 | 99.6 |
| 59.8 | 69.3 | 78.3 | 86.1 | 88.7 | 92.3 | 94.0 | 94.6 | 96.4 | 97.3 | 97.8 | 98.0 | 98.4 | 98.4 | 99.7 |
| 59.6 | 69.9 | 78.3 | 86.1 | 88.7 | 92.3 | 94.0 | 94.6 | 96.4 | 97.3 | 97.8 | 98.0 | 98.4 | 98.4 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS

1502

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34950 SOMBACH AB GERMANY

54-72

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-1100

| | | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|---------|------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |
| CEILING | 4000 | 29.3 | 31.3 | 32.5 | 33.3 | 33.5 | 33.7 | 33.7 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 |
| | 3600 | 36.9 | 39.3 | 40.9 | 42.0 | 42.5 | 42.6 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| 3000 | 27.0 | 39.4 | 41.0 | 42.1 | 42.6 | 42.7 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| | 2300 | 37.0 | 39.4 | 41.0 | 42.1 | 42.6 | 42.7 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| 2400 | 37.0 | 39.6 | 41.1 | 42.3 | 42.7 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| | 2000 | 37.6 | 40.3 | 41.8 | 42.9 | 43.4 | 43.5 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| 1800 | 39.4 | 42.1 | 43.6 | 44.8 | 45.4 | 45.5 | 45.5 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| | 1400 | 41.0 | 42.8 | 43.8 | 44.9 | 45.4 | 45.5 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| 1200 | 43.6 | 44.8 | 45.4 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| | 800 | 45.4 | 46.8 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| 600 | 45.4 | 46.8 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| | 400 | 45.4 | 46.8 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| 300 | 45.4 | 46.8 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| | 200 | 45.4 | 46.8 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| 100 | 45.4 | 46.8 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| | 0 | 45.4 | 46.8 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |

TOTAL NUMBER OF OBSERVATIONS

1392

34050 SENRACH AD GERMANY

Sen72

MAY

1200-1400

TOTAL NUMBER OF OBSERVATIONS

1579

1

CEILING VERSUS VISIBILITY

34056 SEMDACH AB GERMANY

54-72

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

[illegible]

TOTAL NUMBER OF OBSERVATIONS

1577

1

54-6871

4 AY

2100-2100

TOTAL NUMBER OF OBSERVATIONS

1292

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

34-68

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

| | | | | | | | | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1-1000 | 42.1 | 45.0 | 47.7 | 49.4 | 50.0 | 50.6 | 50.7 | 51.0 | 51.4 | 51.8 | 51.8 | 52.0 | 52.1 | 52.1 | 52.6 |
| 1-1000 | 46.7 | 50.0 | 53.3 | 55.4 | 56.0 | 56.6 | 56.8 | 57.1 | 57.5 | 58.0 | 58.0 | 58.1 | 58.3 | 58.3 | 58.7 |
| 1-1000 | 46.8 | 50.0 | 53.4 | 55.5 | 56.1 | 56.7 | 56.9 | 57.2 | 57.6 | 58.0 | 58.0 | 58.2 | 58.3 | 58.3 | 58.8 |
| 1-1000 | 46.8 | 50.0 | 53.4 | 55.5 | 56.1 | 56.7 | 56.9 | 57.2 | 57.6 | 58.0 | 58.0 | 58.2 | 58.3 | 58.3 | 58.8 |
| 1-1000 | 46.8 | 50.0 | 53.4 | 55.5 | 56.1 | 56.7 | 56.9 | 57.2 | 57.6 | 58.0 | 58.0 | 58.2 | 58.3 | 58.3 | 58.8 |
| 1-1000 | 47.4 | 50.8 | 54.2 | 56.4 | 57.0 | 57.7 | 57.8 | 58.1 | 58.6 | 59.0 | 59.0 | 59.2 | 59.3 | 59.3 | 59.7 |
| 1-1000 | 49.3 | 52.9 | 56.4 | 58.6 | 59.3 | 60.1 | 60.3 | 60.6 | 61.0 | 61.5 | 61.5 | 61.6 | 61.7 | 61.7 | 62.2 |
| 1-1000 | 52.2 | 56.0 | 59.7 | 62.0 | 62.6 | 63.3 | 63.6 | 63.9 | 64.2 | 64.8 | 64.8 | 64.9 | 65.1 | 65.1 | 65.5 |
| 1-1000 | 53.7 | 60.0 | 64.3 | 66.9 | 68.1 | 68.9 | 69.1 | 69.4 | 69.8 | 70.3 | 70.3 | 70.4 | 70.6 | 70.6 | 71.0 |
| 1-1000 | 59.1 | 68.7 | 68.6 | 71.2 | 72.3 | 73.2 | 73.4 | 73.7 | 74.1 | 74.6 | 74.6 | 74.7 | 74.9 | 74.9 | 75.3 |
| 1-1000 | 61.2 | 66.3 | 71.7 | 74.7 | 76.0 | 76.9 | 77.0 | 77.3 | 77.8 | 78.2 | 78.2 | 78.4 | 78.5 | 78.5 | 78.9 |
| 1-1000 | 63.2 | 68.7 | 74.2 | 77.3 | 78.7 | 79.6 | 79.8 | 80.2 | 80.8 | 81.2 | 81.2 | 81.3 | 81.6 | 81.6 | 82.1 |
| 1-1000 | 64.3 | 70.1 | 75.6 | 78.7 | 80.1 | 81.1 | 81.2 | 81.7 | 82.3 | 82.9 | 82.9 | 83.0 | 83.2 | 83.2 | 83.7 |
| 1-1000 | 65.3 | 71.4 | 77.1 | 80.3 | 81.8 | 82.0 | 82.2 | 82.7 | 83.3 | 83.9 | 83.9 | 84.0 | 84.2 | 84.2 | 84.8 |
| 1-1000 | 66.3 | 72.3 | 78.1 | 81.6 | 83.0 | 84.1 | 84.4 | 84.8 | 85.4 | 86.1 | 86.1 | 86.2 | 86.4 | 86.4 | 86.9 |
| 1-1000 | 67.1 | 73.4 | 79.4 | 82.0 | 84.4 | 85.3 | 85.8 | 86.3 | 86.9 | 87.5 | 87.5 | 87.7 | 87.8 | 87.8 | 88.3 |
| 1-1000 | 67.3 | 73.6 | 79.8 | 83.3 | 84.9 | 86.1 | 86.6 | 87.0 | 87.6 | 88.2 | 88.3 | 88.3 | 88.7 | 88.7 | 89.3 |
| 1-1000 | 68.3 | 73.6 | 81.8 | 85.3 | 87.0 | 88.3 | 88.7 | 89.2 | 89.8 | 90.4 | 90.4 | 90.7 | 90.8 | 90.8 | 91.3 |
| 1-1000 | 68.9 | 76.0 | 82.4 | 86.1 | 87.6 | 89.0 | 89.5 | 90.0 | 90.6 | 91.3 | 91.3 | 91.3 | 91.7 | 91.7 | 92.4 |
| 1-1000 | 69.4 | 76.8 | 83.4 | 87.3 | 88.9 | 90.4 | 90.9 | 91.4 | 92.0 | 92.7 | 92.7 | 93.0 | 93.1 | 93.1 | 93.8 |
| 1-1000 | 69.9 | 77.3 | 83.9 | 87.9 | 89.7 | 91.3 | 91.9 | 92.4 | 93.2 | 94.1 | 94.1 | 94.3 | 94.4 | 94.4 | 95.1 |
| 1-1000 | 69.9 | 77.3 | 84.4 | 88.4 | 90.4 | 92.2 | 92.7 | 93.2 | 94.1 | 94.8 | 94.8 | 95.0 | 95.2 | 95.2 | 95.8 |
| 1-1000 | 69.9 | 77.3 | 84.6 | 88.7 | 90.6 | 92.4 | 92.9 | 93.3 | 94.3 | 95.2 | 95.3 | 95.6 | 95.7 | 95.7 | 96.4 |
| 1-1000 | 69.9 | 77.3 | 84.7 | 88.9 | 90.9 | 92.9 | 93.3 | 93.9 | 95.0 | 95.9 | 95.9 | 96.1 | 96.3 | 96.3 | 97.0 |
| 1-1000 | 70.1 | 77.5 | 85.0 | 89.2 | 91.2 | 93.3 | 93.7 | 94.3 | 95.3 | 96.3 | 96.3 | 96.5 | 96.7 | 96.7 | 97.3 |
| 1-1000 | 70.1 | 77.5 | 85.0 | 89.2 | 91.4 | 93.6 | 94.1 | 94.7 | 95.7 | 96.7 | 96.7 | 96.9 | 97.0 | 97.0 | 97.7 |
| 1-1000 | 70.1 | 77.5 | 85.2 | 89.7 | 91.9 | 94.4 | 94.9 | 95.3 | 96.4 | 97.4 | 97.6 | 97.8 | 97.9 | 97.9 | 98.6 |
| 1-1000 | 70.1 | 77.5 | 85.2 | 89.8 | 92.1 | 94.7 | 95.3 | 95.8 | 97.0 | 97.9 | 97.9 | 98.1 | 98.3 | 98.3 | 99.0 |
| 1-1000 | 70.1 | 77.5 | 85.2 | 89.8 | 92.1 | 94.8 | 95.5 | 96.1 | 97.3 | 98.3 | 98.3 | 98.5 | 98.7 | 98.7 | 99.3 |
| 1-1000 | 70.1 | 77.5 | 85.2 | 89.8 | 92.1 | 94.8 | 95.5 | 96.1 | 97.3 | 98.4 | 98.4 | 98.7 | 99.0 | 99.0 | 100.0 |
| 1-1000 | 70.1 | 77.5 | 85.2 | 89.8 | 92.1 | 94.8 | 95.5 | 96.1 | 97.3 | 98.4 | 98.4 | 98.7 | 99.0 | 99.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1349

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| 31.2 | 34.5 | 37.2 | 39.8 | 40.6 | 41.8 | 42.4 | 42.8 | 43.6 | 44.1 | 44.3 | 44.8 | 45.3 | 45.5 | 46.5 |
| 33.3 | 39.5 | 42.6 | 45.9 | 46.7 | 48.4 | 49.4 | 49.8 | 50.8 | 51.3 | 51.5 | 51.9 | 52.2 | 52.8 | 53.8 |
| 35.3 | 39.5 | 42.6 | 45.9 | 46.7 | 48.4 | 49.4 | 49.8 | 50.8 | 51.3 | 51.5 | 51.9 | 52.2 | 52.8 | 53.8 |
| 35.3 | 39.5 | 42.7 | 46.0 | 46.8 | 48.5 | 49.5 | 49.9 | 50.9 | 51.4 | 51.6 | 52.1 | 52.6 | 52.9 | 53.9 |
| 35.6 | 39.8 | 43.0 | 46.2 | 47.1 | 48.9 | 49.9 | 50.3 | 51.3 | 51.8 | 52.0 | 52.4 | 53.0 | 53.3 | 54.2 |
| 36.3 | 40.6 | 43.8 | 47.2 | 48.1 | 49.9 | 50.9 | 51.3 | 52.3 | 52.8 | 53.0 | 53.5 | 54.0 | 54.2 | 55.3 |
| 37.7 | 42.2 | 45.4 | 48.6 | 49.5 | 51.7 | 52.8 | 53.3 | 54.2 | 54.7 | 55.0 | 55.4 | 55.9 | 56.2 | 57.2 |
| 39.7 | 44.9 | 48.2 | 51.8 | 52.8 | 54.7 | 55.8 | 56.3 | 57.3 | 57.8 | 58.0 | 58.4 | 59.0 | 59.3 | 60.3 |
| 43.6 | 49.0 | 52.3 | 56.4 | 57.8 | 60.0 | 61.0 | 61.6 | 62.6 | 63.2 | 63.4 | 63.9 | 64.4 | 64.7 | 65.9 |
| 46.7 | 52.7 | 56.8 | 61.3 | 63.0 | 65.3 | 66.4 | 67.1 | 68.1 | 68.7 | 68.9 | 69.4 | 70.0 | 70.3 | 71.3 |
| 48.9 | 55.4 | 59.7 | 64.3 | 66.1 | 68.5 | 69.6 | 70.3 | 71.4 | 72.0 | 72.2 | 72.7 | 73.2 | 73.5 | 74.7 |
| 50.5 | 57.2 | 62.2 | 67.1 | 69.0 | 71.4 | 72.6 | 73.2 | 74.4 | 75.0 | 75.2 | 75.8 | 76.4 | 76.7 | 78.0 |
| 51.0 | 57.9 | 63.0 | 68.0 | 69.9 | 72.3 | 73.5 | 74.2 | 75.4 | 76.0 | 76.2 | 76.8 | 77.4 | 77.7 | 79.0 |
| 51.6 | 58.6 | 64.1 | 69.4 | 71.4 | 74.0 | 75.2 | 75.8 | 77.1 | 77.8 | 78.0 | 78.7 | 79.3 | 79.5 | 80.8 |
| 51.9 | 59.1 | 64.7 | 70.1 | 72.1 | 74.9 | 76.1 | 76.8 | 78.0 | 78.8 | 79.0 | 79.6 | 80.2 | 80.5 | 81.8 |
| 52.8 | 60.0 | 65.8 | 71.3 | 73.3 | 76.2 | 77.5 | 78.3 | 79.5 | 80.2 | 80.5 | 81.1 | 81.7 | 82.0 | 83.3 |
| 53.8 | 61.3 | 67.4 | 72.9 | 75.1 | 78.1 | 79.3 | 80.3 | 81.6 | 82.4 | 82.6 | 83.2 | 83.8 | 84.1 | 85.7 |
| 54.8 | 62.4 | 68.7 | 74.4 | 76.6 | 79.7 | 81.1 | 81.9 | 83.1 | 83.9 | 84.1 | 84.8 | 85.3 | 85.7 | 87.3 |
| 55.4 | 63.0 | 69.3 | 75.1 | 77.3 | 80.4 | 81.9 | 82.6 | 83.9 | 84.7 | 84.9 | 85.6 | 86.1 | 86.5 | 88.0 |
| 56.1 | 64.2 | 70.7 | 76.6 | 78.8 | 81.9 | 83.4 | 84.2 | 85.5 | 86.3 | 86.5 | 87.1 | 87.7 | 88.0 | 89.6 |
| 57.2 | 65.4 | 72.2 | 78.2 | 80.7 | 84.0 | 85.3 | 86.3 | 87.5 | 88.3 | 88.5 | 89.2 | 89.7 | 90.1 | 91.6 |
| 57.6 | 66.1 | 73.1 | 79.2 | 81.9 | 85.2 | 86.8 | 87.6 | 88.9 | 89.7 | 89.9 | 90.6 | 91.1 | 91.5 | 93.1 |
| 57.7 | 66.1 | 73.2 | 79.3 | 82.2 | 85.5 | 87.1 | 88.0 | 89.3 | 90.2 | 90.4 | 91.0 | 91.6 | 91.9 | 93.5 |
| 57.8 | 66.4 | 73.7 | 80.3 | 83.1 | 86.6 | 88.2 | 89.2 | 90.5 | 91.4 | 91.6 | 92.2 | 92.8 | 93.1 | 94.7 |
| 57.8 | 66.4 | 73.9 | 80.6 | 83.4 | 87.0 | 88.7 | 89.6 | 91.0 | 91.9 | 92.1 | 92.7 | 93.3 | 93.6 | 95.2 |
| 57.8 | 66.4 | 74.1 | 80.8 | 83.6 | 87.3 | 89.1 | 90.1 | 91.6 | 92.4 | 92.6 | 93.3 | 93.8 | 94.2 | 95.8 |
| 57.8 | 66.4 | 74.2 | 80.9 | 83.8 | 87.7 | 89.6 | 90.7 | 92.2 | 93.2 | 93.4 | 94.1 | 94.6 | 95.0 | 96.5 |
| 57.8 | 66.4 | 74.2 | 81.2 | 84.1 | 88.0 | 89.8 | 90.9 | 92.6 | 93.6 | 93.9 | 94.5 | 95.1 | 95.5 | 97.2 |
| 57.8 | 66.4 | 74.2 | 81.2 | 84.2 | 88.3 | 90.2 | 91.2 | 93.1 | 94.3 | 94.5 | 95.2 | 95.8 | 96.1 | 97.8 |
| 57.8 | 66.4 | 74.2 | 81.2 | 84.2 | 88.3 | 90.2 | 91.2 | 93.3 | 94.7 | 95.1 | 95.8 | 96.5 | 96.9 | 98.6 |
| 57.8 | 66.4 | 74.2 | 81.2 | 84.2 | 88.3 | 90.2 | 91.2 | 93.4 | 94.8 | 95.3 | 96.2 | 96.9 | 97.12 | 99.6 |
| 57.8 | 66.4 | 74.2 | 81.2 | 84.2 | 88.3 | 90.2 | 91.2 | 93.4 | 94.8 | 95.3 | 96.2 | 96.9 | 97.12 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1412

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

24956 SEMBACH AB GERMANY

26-72

104

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

00000000

| CEILING | 20 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|---|---|---|---|---|---|---|---|---|---|
| 10000 | 29.2 | 31.0 | 33.5 | 36.5 | 37.2 | 37.8 | 38.5 | 39.2 | 39.6 | 39.9 | 40.0 | 40.2 | 40.5 | 40.5 | 40.7 | | | | | | | | | | | | | |
| 8000 | 32.9 | 28.1 | 29.0 | 42.6 | 43.6 | 44.5 | 45.5 | 46.2 | 46.7 | 47.2 | 47.2 | 47.2 | 47.3 | 47.3 | 47.3 | | | | | | | | | | | | | |
| 6000 | 33.0 | 26.2 | 29.1 | 42.7 | 43.5 | 44.6 | 45.9 | 46.3 | 46.8 | 47.2 | 47.4 | 47.6 | 47.9 | 47.9 | 48.1 | | | | | | | | | | | | | |
| 4000 | 33.0 | 30.2 | 29.1 | 42.7 | 43.6 | 44.6 | 45.9 | 46.3 | 46.8 | 47.2 | 47.4 | 47.6 | 47.9 | 47.9 | 48.1 | | | | | | | | | | | | | |
| 3000 | 33.2 | 25.5 | 29.4 | 43.0 | 44.3 | 45.5 | 46.3 | 46.7 | 47.2 | 47.7 | 47.8 | 48.0 | 48.3 | 48.3 | 48.5 | | | | | | | | | | | | | |
| 2000 | 34.5 | 27.4 | 40.4 | 44.1 | 45.2 | 46.3 | 47.4 | 47.8 | 48.3 | 48.8 | 48.9 | 49.1 | 49.4 | 49.4 | 49.5 | | | | | | | | | | | | | |
| 1000 | 35.6 | 39.2 | 42.6 | 46.3 | 47.6 | 48.6 | 49.7 | 50.2 | 50.8 | 51.2 | 51.4 | 51.5 | 51.9 | 51.9 | 52.1 | | | | | | | | | | | | | |
| 800 | 37.5 | 41.3 | 44.8 | 48.7 | 50.1 | 51.2 | 52.3 | 52.7 | 53.3 | 53.7 | 53.9 | 54.1 | 54.4 | 54.4 | 54.6 | | | | | | | | | | | | | |
| 600 | 40.2 | 44.6 | 48.6 | 52.6 | 54.6 | 55.8 | 57.2 | 57.7 | 58.3 | 58.8 | 59.0 | 59.1 | 59.5 | 59.5 | 59.7 | | | | | | | | | | | | | |
| 500 | 42.5 | 47.0 | 51.2 | 55.7 | 57.6 | 58.9 | 60.4 | 60.9 | 61.5 | 62.0 | 62.2 | 62.4 | 62.8 | 62.8 | 63.2 | | | | | | | | | | | | | |
| 400 | 45.4 | 50.2 | 54.5 | 59.5 | 61.3 | 62.6 | 64.1 | 64.6 | 65.5 | 65.9 | 66.1 | 66.4 | 66.8 | 66.8 | 67.0 | | | | | | | | | | | | | |
| 300 | 47.2 | 52.3 | 57.5 | 62.9 | 64.9 | 66.4 | 67.8 | 68.4 | 69.3 | 69.6 | 70.0 | 70.2 | 70.7 | 70.7 | 70.9 | | | | | | | | | | | | | |
| 200 | 47.5 | 52.8 | 58.3 | 64.0 | 66.1 | 67.7 | 69.1 | 69.7 | 70.6 | 71.1 | 71.3 | 71.8 | 72.0 | 72.0 | 72.4 | | | | | | | | | | | | | |
| 100 | 48.8 | 54.3 | 60.0 | 66.2 | 68.4 | 70.0 | 71.5 | 72.1 | 73.1 | 73.6 | 73.8 | 74.0 | 74.5 | 74.5 | 74.9 | | | | | | | | | | | | | |
| 0 | 49.7 | 55.3 | 61.1 | 67.3 | 69.8 | 71.6 | 73.1 | 73.7 | 74.8 | 75.3 | 75.5 | 75.8 | 76.2 | 76.2 | 76.6 | | | | | | | | | | | | | |
| 12000 | 50.4 | 56.4 | 62.3 | 68.5 | 71.0 | 72.8 | 74.4 | 75.1 | 76.4 | 76.9 | 77.1 | 77.3 | 77.8 | 77.8 | 78.2 | | | | | | | | | | | | | |
| 10000 | 51.0 | 57.0 | 63.1 | 69.3 | 72.0 | 73.8 | 75.5 | 76.2 | 77.4 | 77.9 | 78.1 | 78.4 | 78.8 | 78.8 | 79.2 | | | | | | | | | | | | | |
| 8000 | 52.4 | 58.5 | 65.1 | 71.5 | 74.2 | 76.2 | 77.8 | 78.5 | 79.7 | 80.2 | 80.4 | 80.7 | 81.1 | 81.1 | 81.5 | | | | | | | | | | | | | |
| 6000 | 53.0 | 59.5 | 66.0 | 72.7 | 75.5 | 77.4 | 79.0 | 79.7 | 80.9 | 81.4 | 81.6 | 81.9 | 82.3 | 82.3 | 82.7 | | | | | | | | | | | | | |
| 4000 | 54.3 | 61.3 | 68.2 | 74.9 | 77.6 | 79.7 | 81.3 | 82.0 | 83.2 | 83.8 | 84.0 | 84.3 | 84.7 | 84.7 | 85.1 | | | | | | | | | | | | | |
| 3000 | 55.1 | 64.2 | 71.3 | 78.2 | 81.2 | 83.3 | 85.2 | 85.9 | 87.2 | 87.6 | 88.0 | 88.3 | 88.8 | 88.8 | 89.2 | | | | | | | | | | | | | |
| 2000 | 56.4 | 64.6 | 72.4 | 79.7 | 82.8 | 85.2 | 86.9 | 87.6 | 88.9 | 89.5 | 89.8 | 90.1 | 90.5 | 90.5 | 90.9 | | | | | | | | | | | | | |
| 1000 | 56.7 | 65.0 | 73.0 | 80.5 | 83.6 | 86.0 | 87.7 | 88.4 | 89.8 | 90.3 | 90.5 | 90.9 | 91.4 | 91.4 | 91.8 | | | | | | | | | | | | | |
| 800 | 56.9 | 65.4 | 73.7 | 81.7 | 84.9 | 87.5 | 89.2 | 89.9 | 91.3 | 91.9 | 92.1 | 92.5 | 92.9 | 92.9 | 93.3 | | | | | | | | | | | | | |
| 600 | 57.0 | 65.7 | 74.2 | 82.6 | 85.9 | 88.9 | 90.9 | 91.6 | 93.0 | 93.6 | 93.8 | 94.1 | 94.6 | 94.6 | 95.0 | | | | | | | | | | | | | |
| 400 | 57.2 | 65.9 | 74.7 | 83.3 | 86.6 | 89.6 | 91.8 | 92.5 | 93.9 | 94.5 | 94.8 | 95.1 | 95.6 | 95.6 | 96.0 | | | | | | | | | | | | | |
| 300 | 57.2 | 66.2 | 75.5 | 84.2 | 87.6 | 90.7 | 93.0 | 93.7 | 95.2 | 95.8 | 96.1 | 96.5 | 97.1 | 97.1 | 97.5 | | | | | | | | | | | | | |
| 200 | 57.2 | 66.2 | 75.5 | 84.3 | 87.6 | 90.8 | 93.2 | 94.0 | 95.7 | 96.5 | 96.8 | 97.1 | 97.6 | 97.6 | 98.1 | | | | | | | | | | | | | |
| 100 | 57.2 | 66.2 | 75.5 | 84.3 | 87.6 | 90.9 | 93.4 | 94.2 | 96.1 | 97.1 | 97.4 | 97.9 | 98.6 | 98.6 | 99.1 | | | | | | | | | | | | | |
| 0 | 57.2 | 66.2 | 75.5 | 84.3 | 87.6 | 90.9 | 93.4 | 94.2 | 96.1 | 97.1 | 97.4 | 97.9 | 98.6 | 98.6 | 99.1 | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

1582

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34956 SEMBACH AB GERMANY

34-72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-1100

| | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----|--------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 210 | 20 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |
| 1 | 1000 | 31.2 | 33.4 | 34.9 | 35.7 | 35.8 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| 2 | 900 | 37.6 | 40.3 | 42.2 | 43.1 | 43.2 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| 3 | 800 | 37.9 | 40.7 | 42.6 | 43.4 | 43.6 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| 4 | 700 | 38.0 | 40.7 | 42.6 | 43.5 | 43.7 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| 5 | 600 | 38.2 | 40.9 | 42.9 | 43.8 | 44.0 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| 6 | 500 | 39.3 | 42.1 | 44.1 | 45.0 | 45.2 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 7 | 400 | 41.1 | 44.0 | 46.2 | 47.1 | 47.3 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| 8 | 300 | 43.4 | 46.3 | 49.1 | 50.0 | 50.2 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| 9 | 200 | 46.1 | 49.3 | 52.5 | 53.2 | 53.7 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| 10 | 100 | 47.9 | 51.2 | 54.6 | 55.9 | 56.4 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| 11 | 50 | 49.7 | 53.4 | 57.0 | 58.4 | 59.0 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| 12 | 40 | 51.0 | 55.8 | 59.4 | 60.9 | 61.7 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 13 | 30 | 52.4 | 56.4 | 60.6 | 62.1 | 62.9 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 14 | 20 | 54.6 | 58.9 | 63.4 | 65.1 | 66.0 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| 15 | 10 | 57.1 | 61.7 | 66.3 | 68.2 | 69.2 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| 16 | 5 | 60.6 | 65.3 | 70.3 | 72.4 | 73.6 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| 17 | 2.5 | 64.3 | 69.4 | 74.5 | 76.4 | 77.6 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| 18 | 1.5 | 68.8 | 74.3 | 79.9 | 82.2 | 83.3 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| 19 | 1.0 | 70.3 | 76.1 | 81.9 | 84.3 | 85.3 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| 20 | 0.75 | 72.5 | 78.6 | 85.1 | 87.8 | 89.1 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 21 | 0.5 | 74.6 | 81.0 | 88.1 | 91.1 | 92.7 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| 22 | 0.25 | 75.3 | 82.3 | 90.0 | 93.2 | 94.9 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 23 | 0.15 | 75.3 | 82.7 | 90.7 | 94.0 | 95.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 24 | 0.1 | 75.6 | 82.9 | 91.1 | 94.7 | 96.3 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 25 | 0.075 | 75.7 | 83.3 | 91.6 | 95.3 | 97.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 26 | 0.05 | 75.7 | 83.4 | 91.9 | 95.6 | 97.3 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 27 | 0.025 | 75.7 | 83.4 | 92.0 | 95.9 | 97.4 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 28 | 0.015 | 75.7 | 83.4 | 92.0 | 95.9 | 97.4 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 29 | 0.01 | 75.7 | 83.4 | 92.0 | 95.9 | 97.4 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 30 | 0.0075 | 75.7 | 83.4 | 92.0 | 95.9 | 97.4 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 31 | 0.005 | 75.7 | 83.4 | 92.0 | 95.9 | 97.4 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 32 | 0.0025 | 75.7 | 83.4 | 92.0 | 95.9 | 97.4 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 33 | 0.0015 | 75.7 | 83.4 | 92.0 | 95.9 | 97.4 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 34 | 0.001 | 75.7 | 83.4 | 92.0 | 95.9 | 97.4 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS

1884

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

84-72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

| | | | | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1000 | 25.5 | 26.1 | 26.4 | 26.6 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 |
| 900 | 24.7 | 25.8 | 26.2 | 26.5 | 26.7 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 |
| 800 | 24.7 | 25.9 | 26.3 | 26.6 | 26.8 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 |
| 700 | 23.0 | 24.2 | 24.6 | 24.9 | 25.1 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| 600 | 26.7 | 27.9 | 28.4 | 28.6 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 |
| 500 | 38.4 | 39.6 | 40.1 | 40.2 | 40.3 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 |
| 400 | 40.6 | 41.9 | 42.3 | 42.5 | 42.6 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| 300 | 45.4 | 46.7 | 47.1 | 47.3 | 47.4 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| 200 | 47.2 | 49.0 | 49.6 | 49.9 | 50.0 | 50.1 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| 100 | 50.3 | 52.1 | 52.7 | 52.9 | 53.0 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| 50 | 54.8 | 56.4 | 57.6 | 57.9 | 58.1 | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| 40 | 58.1 | 60.1 | 61.3 | 61.6 | 61.8 | 61.9 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| 30 | 63.2 | 65.7 | 66.9 | 67.2 | 67.4 | 67.5 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| 20 | 68.9 | 71.7 | 73.0 | 73.3 | 73.5 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| 10 | 73.9 | 75.0 | 76.6 | 77.1 | 77.3 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| 5 | 80.4 | 82.3 | 83.2 | 83.5 | 83.7 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| 1 | 83.9 | 87.3 | 89.4 | 90.1 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 0 | 84.4 | 87.8 | 90.0 | 90.7 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| 1000 | 86.0 | 89.9 | 92.3 | 93.2 | 93.4 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 900 | 87.1 | 91.6 | 94.6 | 95.3 | 95.7 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 800 | 87.1 | 92.3 | 95.6 | 96.7 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 700 | 87.8 | 92.3 | 96.2 | 97.2 | 97.7 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 600 | 87.8 | 92.7 | 96.3 | 97.4 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| 500 | 88.0 | 92.8 | 96.7 | 97.9 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 400 | 88.0 | 92.8 | 96.7 | 98.0 | 98.8 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 300 | 88.0 | 92.8 | 96.7 | 98.1 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 200 | 88.0 | 92.8 | 96.7 | 98.1 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 100 | 88.0 | 92.8 | 96.7 | 98.1 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 0 | 88.0 | 92.8 | 96.7 | 98.1 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS

3538

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-68,71

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1400-2000

[illegible]**TOTAL NUMBER OF OBSERVATIONS**

2358

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SOMBACH AB GERMANY

53-6971

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 43.8 | 46.9 | 49.1 | 50.9 | 51.8 | 52.9 | 53.3 | 53.6 | 53.6 | 53.8 | 53.8 | 53.8 | 54.0 | 54.0 | 54.3 |
| 47.0 | 50.2 | 52.0 | 54.0 | 55.7 | 57.2 | 57.8 | 57.9 | 58.2 | 58.5 | 58.5 | 58.5 | 58.6 | 58.6 | 58.9 |
| 47.0 | 50.5 | 52.0 | 54.0 | 55.7 | 57.2 | 57.8 | 57.9 | 58.2 | 58.5 | 58.5 | 58.5 | 58.6 | 58.6 | 58.9 |
| 47.2 | 50.6 | 52.1 | 53.1 | 53.8 | 57.0 | 57.9 | 58.1 | 58.2 | 58.6 | 58.6 | 58.6 | 58.7 | 58.7 | 59.1 |
| 47.3 | 50.8 | 52.2 | 53.2 | 53.9 | 57.0 | 58.0 | 58.2 | 58.3 | 58.7 | 58.7 | 58.7 | 58.9 | 58.9 | 59.2 |
| 47.9 | 51.4 | 52.9 | 53.8 | 54.6 | 58.2 | 58.7 | 58.9 | 59.1 | 59.6 | 59.6 | 59.6 | 59.5 | 59.5 | 59.8 |
| 49.3 | 53.0 | 53.6 | 57.6 | 58.3 | 59.0 | 60.4 | 60.6 | 60.8 | 61.1 | 61.1 | 61.1 | 61.2 | 61.2 | 61.5 |
| 52.1 | 58.9 | 58.7 | 60.7 | 61.4 | 62.0 | 62.5 | 62.7 | 64.0 | 64.2 | 64.2 | 64.2 | 64.4 | 64.4 | 64.7 |
| 56.4 | 60.4 | 62.3 | 63.7 | 64.4 | 65.2 | 66.7 | 68.0 | 69.2 | 69.3 | 69.3 | 69.3 | 69.7 | 69.7 | 70.0 |
| 59.8 | 64.2 | 67.4 | 70.1 | 70.9 | 72.2 | 72.3 | 73.4 | 73.7 | 74.0 | 74.0 | 74.0 | 74.2 | 74.2 | 74.5 |
| 62.7 | 67.0 | 70.7 | 73.8 | 74.7 | 76.8 | 77.0 | 77.2 | 77.3 | 77.8 | 77.8 | 77.8 | 78.0 | 78.0 | 78.3 |
| 64.7 | 69.6 | 73.4 | 76.9 | 77.9 | 79.9 | 80.3 | 80.7 | 81.0 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.8 |
| 65.7 | 70.6 | 74.8 | 78.3 | 79.3 | 81.6 | 82.2 | 82.4 | 82.7 | 83.0 | 83.0 | 83.0 | 83.2 | 83.2 | 83.3 |
| 66.8 | 71.9 | 76.3 | 80.2 | 81.2 | 83.5 | 84.1 | 84.3 | 84.7 | 85.0 | 85.0 | 85.0 | 85.2 | 85.2 | 85.3 |
| 68.7 | 74.1 | 78.7 | 82.3 | 83.6 | 85.9 | 86.6 | 86.8 | 87.2 | 87.4 | 87.4 | 87.4 | 87.6 | 87.6 | 88.0 |
| 70.0 | 75.4 | 80.0 | 83.8 | 85.0 | 87.4 | 88.1 | 88.4 | 88.8 | 89.0 | 89.0 | 89.0 | 89.2 | 89.2 | 89.3 |
| 70.3 | 75.9 | 80.3 | 84.0 | 85.9 | 88.2 | 88.9 | 89.2 | 89.7 | 89.9 | 89.9 | 89.9 | 90.1 | 90.1 | 90.3 |
| 71.3 | 77.0 | 81.7 | 85.9 | 87.2 | 89.5 | 90.3 | 90.6 | 91.1 | 91.4 | 91.4 | 91.4 | 91.6 | 91.6 | 91.9 |
| 71.6 | 77.4 | 82.0 | 86.2 | 87.3 | 89.9 | 90.6 | 91.0 | 91.4 | 91.7 | 91.7 | 91.7 | 91.9 | 91.9 | 92.2 |
| 72.1 | 78.1 | 82.9 | 87.2 | 88.9 | 90.9 | 91.6 | 92.0 | 92.3 | 92.8 | 92.8 | 92.8 | 93.0 | 93.0 | 93.3 |
| 73.1 | 79.2 | 84.0 | 88.4 | 89.9 | 92.4 | 93.1 | 93.3 | 94.0 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.8 |
| 73.3 | 79.3 | 84.8 | 89.7 | 91.1 | 93.7 | 94.4 | 94.8 | 95.3 | 95.6 | 95.6 | 95.6 | 95.8 | 95.8 | 96.1 |
| 73.3 | 79.3 | 85.0 | 89.9 | 91.4 | 94.2 | 95.0 | 95.4 | 95.8 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.7 |
| 73.7 | 80.3 | 85.7 | 90.6 | 92.2 | 94.9 | 95.7 | 96.1 | 96.3 | 96.9 | 96.9 | 96.9 | 97.1 | 97.1 | 97.4 |
| 73.7 | 80.4 | 85.7 | 90.8 | 92.3 | 95.2 | 95.9 | 96.3 | 96.8 | 97.1 | 97.1 | 97.1 | 97.3 | 97.3 | 97.6 |
| 73.7 | 80.4 | 85.8 | 91.2 | 92.7 | 95.6 | 96.4 | 96.8 | 97.3 | 97.6 | 97.6 | 97.6 | 97.8 | 97.8 | 98.2 |
| 73.7 | 80.8 | 85.9 | 91.4 | 93.1 | 96.8 | 97.2 | 97.8 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.7 |
| 73.7 | 80.9 | 85.9 | 91.4 | 93.1 | 97.0 | 97.4 | 97.8 | 98.0 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.9 |
| 73.7 | 80.9 | 85.9 | 91.4 | 93.1 | 97.4 | 97.8 | 98.0 | 98.4 | 98.6 | 98.6 | 98.6 | 98.9 | 98.9 | 99.3 |
| 73.7 | 80.9 | 85.9 | 91.4 | 93.1 | 97.4 | 97.8 | 98.0 | 98.6 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.6 |
| 73.7 | 80.9 | 85.9 | 91.4 | 93.1 | 97.4 | 97.8 | 98.0 | 98.6 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.6 |
| 73.7 | 80.9 | 85.9 | 91.4 | 93.1 | 97.4 | 97.8 | 98.0 | 98.6 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS

1329

1

34056

52-72

444

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

| | | | | | | | | | | | | | | |
|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|
| 31.2 | 35.0 | 38.0 | 40.3 | 40.9 | 42.6 | 43.7 | 44.3 | 44.6 | 45.1 | 45.2 | 45.6 | 45.8 | 45.8 | 47.3 |
| 34.7 | 38.7 | 42.1 | 45.3 | 46.0 | 47.9 | 48.1 | 49.0 | 50.2 | 50.6 | 50.8 | 51.1 | 51.4 | 51.4 | 52.9 |
| 34.7 | 38.7 | 42.1 | 45.3 | 46.0 | 47.9 | 48.1 | 49.0 | 50.2 | 50.6 | 50.8 | 51.1 | 51.4 | 51.4 | 52.9 |
| 34.7 | 38.7 | 42.1 | 45.3 | 46.0 | 47.9 | 48.1 | 49.0 | 50.2 | 50.6 | 50.8 | 51.1 | 51.4 | 51.4 | 52.9 |
| 35.0 | 39.0 | 42.5 | 45.7 | 46.4 | 48.3 | 49.5 | 50.2 | 50.6 | 51.0 | 51.1 | 51.5 | 51.8 | 51.8 | 53.2 |
| 35.2 | 39.2 | 42.8 | 46.1 | 46.8 | 48.7 | 49.9 | 50.6 | 51.0 | 51.4 | 51.5 | 51.9 | 52.2 | 52.2 | 53.6 |
| 36.6 | 40.7 | 44.7 | 48.0 | 48.7 | 50.7 | 52.0 | 52.7 | 53.1 | 53.5 | 53.7 | 54.1 | 54.3 | 54.3 | 55.8 |
| 39.4 | 43.6 | 47.7 | 51.1 | 51.8 | 53.7 | 55.1 | 55.9 | 56.3 | 56.7 | 56.8 | 57.2 | 57.5 | 57.5 | 58.9 |
| 44.3 | 48.0 | 51.5 | 54.0 | 54.7 | 56.8 | 58.2 | 59.0 | 60.2 | 60.7 | 60.9 | 61.3 | 61.6 | 61.6 | 63.0 |
| 46.8 | 50.1 | 53.6 | 56.0 | 56.7 | 58.8 | 60.2 | 61.0 | 62.2 | 62.7 | 62.9 | 63.3 | 63.6 | 63.6 | 65.0 |
| 49.0 | 52.4 | 55.9 | 58.3 | 59.0 | 61.1 | 62.5 | 63.3 | 64.5 | 65.0 | 65.2 | 65.6 | 65.9 | 65.9 | 67.3 |
| 51.3 | 54.7 | 58.2 | 60.6 | 61.3 | 63.4 | 64.8 | 65.6 | 66.8 | 67.3 | 67.5 | 67.9 | 68.2 | 68.2 | 69.6 |
| 52.3 | 55.7 | 59.2 | 61.6 | 62.3 | 64.4 | 65.8 | 66.6 | 67.8 | 68.3 | 68.5 | 68.9 | 69.2 | 69.2 | 70.6 |
| 53.7 | 57.1 | 60.6 | 63.0 | 63.7 | 65.8 | 67.2 | 68.0 | 69.2 | 69.7 | 69.9 | 70.3 | 70.6 | 70.6 | 72.0 |
| 55.0 | 58.4 | 61.9 | 64.3 | 65.0 | 67.1 | 68.5 | 69.3 | 70.5 | 71.0 | 71.2 | 71.6 | 71.9 | 71.9 | 73.3 |
| 56.5 | 59.9 | 63.4 | 65.8 | 66.5 | 68.6 | 70.0 | 70.8 | 72.0 | 72.5 | 72.7 | 73.1 | 73.4 | 73.4 | 74.8 |
| 57.4 | 60.8 | 64.3 | 66.7 | 67.4 | 69.5 | 70.9 | 71.7 | 72.9 | 73.4 | 73.6 | 74.0 | 74.3 | 74.3 | 75.7 |
| 58.2 | 61.6 | 65.1 | 67.5 | 68.2 | 70.3 | 71.7 | 72.5 | 73.7 | 74.2 | 74.4 | 74.8 | 75.1 | 75.1 | 76.5 |
| 58.6 | 62.0 | 65.5 | 67.9 | 68.6 | 70.7 | 72.1 | 72.9 | 74.1 | 74.6 | 74.8 | 75.2 | 75.5 | 75.5 | 76.9 |
| 58.9 | 62.3 | 65.8 | 68.2 | 68.9 | 71.0 | 72.4 | 73.2 | 74.4 | 74.9 | 75.1 | 75.5 | 75.8 | 75.8 | 77.2 |
| 60.2 | 63.6 | 67.1 | 69.5 | 70.2 | 72.3 | 73.7 | 74.5 | 75.7 | 76.2 | 76.4 | 76.8 | 77.1 | 77.1 | 78.5 |
| 60.7 | 64.1 | 67.6 | 70.0 | 70.7 | 72.8 | 74.2 | 75.0 | 76.2 | 76.7 | 76.9 | 77.3 | 77.6 | 77.6 | 79.0 |
| 61.1 | 64.5 | 68.0 | 70.4 | 71.1 | 73.2 | 74.6 | 75.4 | 76.6 | 77.1 | 77.3 | 77.7 | 78.0 | 78.0 | 79.4 |
| 61.3 | 64.7 | 68.2 | 70.6 | 71.3 | 73.4 | 74.8 | 75.6 | 76.8 | 77.3 | 77.5 | 77.9 | 78.2 | 78.2 | 79.6 |
| 61.3 | 64.7 | 68.2 | 70.6 | 71.3 | 73.4 | 74.8 | 75.6 | 76.8 | 77.3 | 77.5 | 77.9 | 78.2 | 78.2 | 79.6 |
| 61.3 | 64.7 | 68.2 | 70.6 | 71.3 | 73.4 | 74.8 | 75.6 | 76.8 | 77.3 | 77.5 | 77.9 | 78.2 | 78.2 | 79.6 |
| 61.4 | 64.8 | 68.3 | 70.7 | 71.4 | 73.5 | 74.9 | 75.7 | 76.9 | 77.4 | 77.6 | 78.0 | 78.3 | 78.3 | 79.7 |
| 61.4 | 64.8 | 68.3 | 70.7 | 71.4 | 73.5 | 74.9 | 75.7 | 76.9 | 77.4 | 77.6 | 78.0 | 78.3 | 78.3 | 79.7 |
| 61.4 | 64.8 | 68.3 | 70.7 | 71.4 | 73.5 | 74.9 | 75.7 | 76.9 | 77.4 | 77.6 | 78.0 | 78.3 | 78.3 | 79.7 |
| 61.4 | 64.8 | 68.3</ | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

1578

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|
| 26.8 | 30.0 | 33.3 | 36.5 | 37.4 | 38.4 | 39.3 | 39.6 | 40.1 | 40.2 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 41.3 |
| 30.3 | 34.2 | 38.2 | 41.7 | 42.8 | 44.1 | 45.1 | 45.9 | 46.1 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 47.2 |
| 30.4 | 34.3 | 38.4 | 41.8 | 42.9 | 44.2 | 45.2 | 45.9 | 46.1 | 46.2 | 46.4 | 46.4 | 46.4 | 46.4 | 46.5 | 47.4 |
| 30.4 | 34.3 | 38.4 | 41.8 | 42.9 | 44.2 | 45.2 | 45.9 | 46.1 | 46.2 | 46.4 | 46.4 | 46.4 | 46.4 | 46.5 | 47.4 |
| 31.0 | 34.9 | 39.0 | 42.4 | 43.5 | 44.8 | 45.8 | 46.1 | 46.7 | 46.8 | 47.0 | 47.0 | 47.0 | 47.1 | 48.0 | |
| 31.3 | 35.3 | 39.4 | 42.8 | 43.9 | 45.2 | 46.2 | 46.9 | 47.1 | 47.2 | 47.4 | 47.4 | 47.4 | 47.5 | 48.4 | |
| 32.5 | 36.6 | 40.8 | 44.2 | 45.4 | 46.8 | 47.7 | 48.0 | 48.6 | 48.7 | 48.9 | 48.9 | 48.9 | 49.0 | 50.1 | |
| 34.2 | 38.7 | 42.9 | 46.4 | 47.6 | 49.0 | 50.0 | 50.3 | 50.9 | 51.0 | 51.2 | 51.2 | 51.2 | 51.3 | 51.4 | 52.4 |
| 37.7 | 42.6 | 47.0 | 50.9 | 52.3 | 53.7 | 54.8 | 55.1 | 55.7 | 55.9 | 56.1 | 56.1 | 56.2 | 56.2 | 57.3 | |
| 40.8 | 45.9 | 51.0 | 55.4 | 57.1 | 58.7 | 59.9 | 60.2 | 60.9 | 61.3 | 61.5 | 61.5 | 61.6 | 61.6 | 62.7 | |
| 43.3 | 48.8 | 54.2 | 58.9 | 60.6 | 62.2 | 63.4 | 63.7 | 64.3 | 64.9 | 65.1 | 65.1 | 65.2 | 65.2 | 66.3 | |
| 45.4 | 51.3 | 57.3 | 62.2 | 63.9 | 65.6 | 66.9 | 67.3 | 68.1 | 68.6 | 68.7 | 68.7 | 68.9 | 68.9 | 70.0 | |
| 46.1 | 51.3 | 58.6 | 63.3 | 65.2 | 66.9 | 68.3 | 68.6 | 69.3 | 70.0 | 70.2 | 70.2 | 70.3 | 70.4 | 71.5 | |
| 47.6 | 54.2 | 60.4 | 65.8 | 67.3 | 69.2 | 70.6 | 71.0 | 71.9 | 72.3 | 72.6 | 72.6 | 72.8 | 72.8 | 73.9 | |
| 48.7 | 55.4 | 62.0 | 67.3 | 69.2 | 71.2 | 72.6 | 73.1 | 74.0 | 74.7 | 74.8 | 74.8 | 75.0 | 75.0 | 76.1 | |
| 50.2 | 57.1 | 63.8 | 69.3 | 71.2 | 73.1 | 74.6 | 75.0 | 76.1 | 76.9 | 77.0 | 77.1 | 77.3 | 77.3 | 78.5 | |
| 51.5 | 58.7 | 65.8 | 71.3 | 73.3 | 75.3 | 77.2 | 77.6 | 78.7 | 79.5 | 79.7 | 79.8 | 79.9 | 80.0 | 81.2 | |
| 53.0 | 60.4 | 67.6 | 73.1 | 75.3 | 77.7 | 79.4 | 79.8 | 80.9 | 81.6 | 81.9 | 82.1 | 82.2 | 82.2 | 83.3 | |
| 53.6 | 61.0 | 68.1 | 73.9 | 76.1 | 78.4 | 80.2 | 80.6 | 81.9 | 82.7 | 82.9 | 83.1 | 83.2 | 83.2 | 84.3 | |
| 54.9 | 62.5 | 69.9 | 75.7 | 78.0 | 80.5 | 82.3 | 82.7 | 84.0 | 84.8 | 85.0 | 85.2 | 85.3 | 85.4 | 86.6 | |
| 56.8 | 64.8 | 72.6 | 78.6 | 81.1 | 83.5 | 85.4 | 85.8 | 87.3 | 88.1 | 88.3 | 88.5 | 88.6 | 88.7 | 89.9 | |
| 57.8 | 66.4 | 74.4 | 80.6 | 83.2 | 85.8 | 87.7 | 88.3 | 89.8 | 90.5 | 90.8 | 90.9 | 91.1 | 91.1 | 92.4 | |
| 58.3 | 67.1 | 75.4 | 81.9 | 84.4 | 87.2 | 89.1 | 89.8 | 91.2 | 92.0 | 92.2 | 92.4 | 92.5 | 92.6 | 93.8 | |
| 58.7 | 67.7 | 76.3 | 82.9 | 85.8 | 88.6 | 90.7 | 91.4 | 93.0 | 93.8 | 94.0 | 94.2 | 94.3 | 94.4 | 95.6 | |
| 58.9 | 67.9 | 76.4 | 83.2 | 86.3 | 89.4 | 91.3 | 92.3 | 93.9 | 94.7 | 95.0 | 95.1 | 95.3 | 95.3 | 96.6 | |
| 58.9 | 68.0 | 76.7 | 83.6 | 86.7 | 90.1 | 92.4 | 93.2 | 94.8 | 95.7 | 95.9 | 96.2 | 96.3 | 96.3 | 97.6 | |
| 58.9 | 68.0 | 76.7 | 83.7 | 86.8 | 90.2 | 92.5 | 93.3 | 95.0 | 95.9 | 96.2 | 96.4 | 96.5 | 96.5 | 97.8 | |
| 58.9 | 68.0 | 76.7 | 83.7 | 86.9 | 90.3 | 92.7 | 93.7 | 95.4 | 96.4 | 96.6 | 97.2 | 97.3 | 97.4 | 98.8 | |
| 58.9 | 68.0 | 76.7 | 83.7 | 86.9 | 90.3 | 92.7 | 93.7 | 95.6 | 96.7 | 96.9 | 97.3 | 97.5 | 97.6 | 99.2 | |
| 58.9 | 68.0 | 76.7 | 83.7 | 86.9 | 90.3 | 92.7 | 93.7 | 95.6 | 96.7 | 97.0 | 97.6 | 97.8 | 98.0 | 99.8 | |
| 58.9 | 68.0 | 76.8 | 83.8 | 86.9 | 90.3 | 92.7 | 93.8 | 95.6 | 96.7 | 97.0 | 97.6 | 97.9 | 98.0 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS

1689

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

| | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 29.0 | 31.6 | 33.1 | 33.9 | 34.1 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| 35.4 | 38.3 | 39.9 | 41.0 | 41.2 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 |
| 35.4 | 38.3 | 39.9 | 41.0 | 41.2 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 |
| 35.5 | 38.5 | 40.1 | 41.2 | 41.4 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 36.0 | 39.0 | 40.6 | 41.6 | 41.5 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| 36.4 | 39.4 | 41.0 | 42.1 | 42.3 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 |
| 37.7 | 40.8 | 42.5 | 43.6 | 43.8 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| 39.8 | 43.0 | 44.8 | 45.9 | 46.1 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 |
| 43.1 | 46.9 | 48.8 | 49.9 | 50.2 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| 46.7 | 50.8 | 53.2 | 54.5 | 54.7 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| 49.1 | 52.6 | 56.5 | 57.9 | 58.1 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| 52.1 | 57.0 | 60.1 | 61.4 | 61.7 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| 53.2 | 58.3 | 61.4 | 62.9 | 63.2 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 55.2 | 60.5 | 63.0 | 65.2 | 65.5 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| 57.9 | 63.4 | 66.7 | 68.4 | 68.6 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| 61.3 | 67.1 | 70.9 | 72.8 | 73.3 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| 66.9 | 72.6 | 76.8 | 78.8 | 79.4 | 79.7 | 79.9 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 71.0 | 77.4 | 81.6 | 83.6 | 84.3 | 84.7 | 84.8 | 84.8 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| 72.5 | 79.1 | 83.4 | 85.4 | 86.2 | 86.6 | 86.7 | 86.7 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| 74.7 | 81.9 | 86.5 | 88.8 | 89.6 | 90.0 | 90.2 | 90.2 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 77.2 | 84.9 | 89.9 | 92.4 | 93.2 | 93.8 | 94.0 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 77.8 | 85.9 | 91.2 | 93.8 | 94.7 | 95.2 | 95.6 | 95.7 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 79.9 | 86.2 | 91.6 | 94.4 | 95.3 | 96.0 | 96.3 | 96.5 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 79.9 | 86.4 | 91.8 | 94.7 | 95.8 | 96.4 | 96.9 | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 78.0 | 86.0 | 92.1 | 95.2 | 96.4 | 97.2 | 97.6 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 78.1 | 86.7 | 92.4 | 95.6 | 96.9 | 97.6 | 98.2 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 78.1 | 86.7 | 92.4 | 95.6 | 97.0 | 97.9 | 98.6 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 78.1 | 86.7 | 92.4 | 95.7 | 97.1 | 98.1 | 98.6 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 78.1 | 86.7 | 92.4 | 95.7 | 97.1 | 98.2 | 98.9 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 78.1 | 86.7 | 92.4 | 95.7 | 97.1 | 98.2 | 98.9 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 78.1 | 86.7 | 92.4 | 95.7 | 97.1 | 98.2 | 98.9 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 78.1 | 86.7 | 92.4 | 95.7 | 97.1 | 98.2 | 98.9 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS

1690

1

CEILING VERSUS VISIBILITY

34056 SENBACH A. GERMAN

3-74

154

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2200-240

[illegible]

TOTAL NUMBER OF OBSERVATIONS

1003

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

59-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

| | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 29.7 | 30.4 | 30.9 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 40.0 | 40.9 | 41.4 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 40.0 | 40.9 | 41.4 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| 40.4 | 41.3 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| 41.6 | 42.4 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 |
| 44.9 | 45.8 | 46.4 | 46.4 | 46.4 | 46.5 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 |
| 47.0 | 47.9 | 48.6 | 48.7 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| 52.6 | 53.7 | 54.5 | 54.5 | 54.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| 58.4 | 59.6 | 60.5 | 60.5 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| 62.6 | 64.0 | 64.9 | 65.0 | 65.0 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| 67.2 | 68.8 | 69.8 | 70.0 | 70.0 | 70.0 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| 70.0 | 71.8 | 72.8 | 73.0 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 74.0 | 76.2 | 77.2 | 77.5 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 77.7 | 79.8 | 81.2 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| 82.6 | 85.0 | 86.5 | 86.7 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| 87.2 | 89.8 | 91.5 | 91.7 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| 89.4 | 92.4 | 94.1 | 94.3 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 90.0 | 93.0 | 94.8 | 95.1 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| 90.8 | 94.2 | 96.1 | 96.4 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| 91.5 | 94.9 | 97.0 | 97.4 | 97.7 | 97.8 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 91.4 | 94.9 | 97.1 | 97.6 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| 91.6 | 95.2 | 97.4 | 98.0 | 98.3 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 91.9 | 95.6 | 97.9 | 98.6 | 98.9 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 91.9 | 95.7 | 98.0 | 98.8 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 91.9 | 95.7 | 98.0 | 99.1 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 91.9 | 95.7 | 98.0 | 99.1 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 91.9 | 95.7 | 98.0 | 99.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 91.9 | 95.7 | 98.0 | 99.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 91.9 | 95.7 | 98.0 | 99.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 91.9 | 95.7 | 98.0 | 99.1 | 99.5 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1082

CEILING VERSUS VISIBILITY

53-69

446

1400-2000

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 34.4 | 35.1 | 35.6 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 46.3 | 47.3 | 47.9 | 48.2 | 48.2 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| 48.4 | 47.6 | 48.0 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 |
| 46.6 | 47.8 | 48.2 | 48.6 | 48.6 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| 47.2 | 48.4 | 48.9 | 49.2 | 49.2 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| 49.1 | 50.2 | 50.7 | 51.0 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| 51.5 | 53.0 | 53.6 | 53.9 | 53.9 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| 54.5 | 56.0 | 56.7 | 57.0 | 57.0 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| 60.3 | 62.1 | 62.9 | 63.2 | 63.2 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 68.3 | 70.6 | 71.5 | 72.0 | 72.0 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| 73.1 | 75.4 | 76.3 | 77.2 | 77.2 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 78.1 | 80.7 | 82.0 | 82.8 | 82.8 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| 79.4 | 82.3 | 83.6 | 84.3 | 84.3 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| 81.5 | 84.5 | 86.0 | 86.9 | 86.9 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| 83.0 | 86.3 | 87.9 | 88.8 | 88.8 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| 85.0 | 88.6 | 90.3 | 91.3 | 91.3 | 91.5 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| 86.9 | 90.7 | 92.5 | 93.5 | 93.6 | 93.9 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| 87.7 | 91.7 | 93.6 | 94.6 | 94.8 | 95.1 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| 88.2 | 92.3 | 94.3 | 95.2 | 95.4 | 95.8 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 88.9 | 92.3 | 93.4 | 96.4 | 96.6 | 97.0 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| 89.3 | 93.9 | 96.1 | 97.1 | 97.3 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| 89.3 | 94.1 | 96.2 | 97.4 | 97.6 | 98.0 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 89.4 | 94.2 | 96.4 | 97.7 | 97.8 | 98.3 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 89.5 | 94.3 | 96.5 | 97.8 | 98.0 | 98.5 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 89.6 | 94.3 | 96.7 | 97.9 | 98.2 | 98.6 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 89.6 | 94.4 | 96.7 | 98.2 | 98.3 | 99.0 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 89.6 | 94.4 | 96.7 | 98.2 | 98.6 | 99.3 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 89.6 | 94.4 | 96.7 | 98.2 | 98.6 | 99.3 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 89.6 | 94.4 | 96.7 | 98.2 | 98.6 | 99.3 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 89.6 | 94.4 | 96.7 | 98.2 | 98.6 | 99.3 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 89.6 | 94.4 | 96.7 | 98.2 | 98.6 | 99.3 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 89.6 | 94.4 | 96.7 | 98.2 | 98.6 | 99.3 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1533

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

52-69

444

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2100

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 40.5 | 42.7 | 44.3 | 45.9 | 46.2 | 46.6 | 46.7 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 47.0 |
| 47.6 | 50.0 | 52.0 | 53.8 | 54.1 | 54.7 | 54.9 | 54.9 | 55.0 | 55.0 | 55.0 | 55.0 | 55.1 | 55.1 | 55.2 |
| 47.6 | 50.1 | 52.1 | 53.8 | 54.1 | 54.8 | 54.9 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.3 |
| 47.7 | 50.2 | 52.1 | 53.9 | 54.2 | 54.9 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.2 | 55.3 |
| 47.9 | 50.4 | 52.4 | 54.1 | 54.5 | 55.1 | 55.3 | 55.3 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.6 |
| 48.9 | 51.4 | 53.4 | 55.3 | 55.6 | 56.3 | 56.4 | 56.5 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| 50.7 | 53.2 | 55.2 | 57.1 | 57.5 | 58.1 | 58.3 | 58.3 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.6 |
| 53.1 | 56.1 | 58.2 | 60.2 | 60.5 | 61.4 | 61.6 | 61.6 | 61.7 | 61.7 | 61.7 | 61.7 | 61.8 | 61.8 | 62.0 |
| 57.7 | 61.2 | 63.7 | 65.9 | 66.3 | 67.2 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.6 | 67.6 | 67.7 |
| 63.0 | 66.9 | 69.7 | 72.0 | 72.4 | 73.4 | 73.5 | 73.6 | 73.6 | 73.7 | 73.7 | 73.7 | 73.9 | 73.9 | 74.0 |
| 66.5 | 70.6 | 73.8 | 76.4 | 77.0 | 78.1 | 78.2 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 78.6 | 78.6 | 78.7 |
| 70.0 | 74.8 | 78.3 | 81.1 | 81.8 | 82.8 | 82.9 | 83.0 | 83.1 | 83.2 | 83.2 | 83.2 | 83.4 | 83.4 | 83.5 |
| 70.8 | 75.7 | 79.3 | 82.3 | 83.1 | 84.1 | 84.3 | 84.3 | 84.4 | 84.5 | 84.5 | 84.5 | 84.7 | 84.7 | 84.8 |
| 72.4 | 77.5 | 81.3 | 84.4 | 85.2 | 86.3 | 86.4 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.8 | 86.8 | 87.0 |
| 73.9 | 79.1 | 83.3 | 86.6 | 87.5 | 88.3 | 88.6 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 89.0 | 89.0 | 89.2 |
| 75.2 | 80.8 | 85.0 | 88.5 | 89.2 | 90.4 | 90.5 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.9 | 90.9 | 91.1 |
| 76.6 | 82.4 | 86.8 | 90.5 | 91.4 | 92.9 | 93.0 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.4 | 93.4 | 93.5 |
| 78.3 | 84.1 | 88.6 | 92.3 | 93.2 | 94.8 | 94.9 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.4 |
| 78.3 | 84.2 | 88.8 | 92.4 | 93.4 | 95.0 | 95.1 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.6 |
| 78.7 | 84.6 | 89.2 | 93.0 | 93.9 | 95.5 | 95.6 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 96.0 | 96.0 | 96.2 |
| 78.9 | 85.1 | 90.0 | 93.8 | 94.6 | 96.3 | 96.4 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.8 | 96.8 | 97.2 |
| 79.0 | 85.4 | 90.3 | 94.3 | 95.2 | 97.0 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.5 | 97.5 | 97.7 |
| 79.3 | 85.6 | 90.8 | 94.7 | 95.6 | 97.3 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.8 | 97.8 | 98.2 |
| 79.3 | 85.7 | 90.9 | 94.8 | 95.9 | 97.7 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.2 | 98.2 | 98.4 |
| 79.3 | 85.8 | 91.0 | 95.0 | 96.1 | 97.9 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.6 |
| 79.3 | 85.9 | 91.3 | 95.3 | 96.6 | 98.4 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 | 99.1 |
| 79.4 | 86.0 | 91.3 | 95.3 | 96.6 | 98.6 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.5 |
| 79.4 | 86.0 | 91.3 | 95.3 | 96.6 | 98.6 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 |
| 79.4 | 86.0 | 91.3 | 95.3 | 96.6 | 98.6 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 |
| 79.4 | 86.0 | 91.3 | 95.3 | 96.6 | 98.6 | 98.8 | 98.8 | 99.0 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 100.0 |
| 79.4 | 86.0 | 91.3 | 95.3 | 96.6 | 98.6 | 98.8 | 98.8 | 99.0 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1522

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

52-69

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 40.8 | 44.4 | 47.3 | 49.4 | 50.1 | 51.5 | 51.9 | 52.1 | 52.5 | 52.9 | 52.9 | 53.0 | 53.2 | 53.4 | 53.9 |
| 44.8 | 48.8 | 52.0 | 54.1 | 54.8 | 56.4 | 56.9 | 57.1 | 57.6 | 57.9 | 57.9 | 58.1 | 58.3 | 58.5 | 59.0 |
| 44.8 | 48.8 | 52.0 | 54.1 | 54.8 | 56.4 | 56.9 | 57.1 | 57.6 | 57.9 | 57.9 | 58.1 | 58.3 | 58.5 | 59.0 |
| 44.8 | 48.9 | 52.0 | 54.1 | 54.9 | 56.5 | 57.0 | 57.2 | 57.6 | 58.0 | 58.0 | 58.1 | 58.4 | 58.5 | 59.1 |
| 45.0 | 49.0 | 52.2 | 54.3 | 55.1 | 56.7 | 57.2 | 57.4 | 57.8 | 58.1 | 58.1 | 58.3 | 58.6 | 58.7 | 59.3 |
| 46.1 | 50.1 | 53.2 | 55.3 | 56.2 | 57.8 | 58.3 | 58.5 | 58.9 | 59.2 | 59.2 | 59.4 | 59.7 | 59.8 | 60.4 |
| 47.5 | 51.5 | 54.8 | 57.0 | 57.9 | 59.5 | 60.1 | 60.2 | 60.7 | 61.0 | 61.0 | 61.2 | 61.5 | 61.6 | 62.2 |
| 50.3 | 54.3 | 58.0 | 60.5 | 61.5 | 63.2 | 63.7 | 63.9 | 64.4 | 64.7 | 64.7 | 64.9 | 65.1 | 65.3 | 65.8 |
| 54.3 | 58.9 | 62.8 | 65.6 | 66.5 | 68.3 | 68.9 | 69.1 | 69.5 | 70.0 | 70.0 | 70.2 | 70.4 | 70.5 | 71.1 |
| 57.6 | 62.4 | 66.5 | 69.3 | 70.2 | 72.0 | 72.6 | 72.8 | 73.3 | 73.7 | 73.7 | 74.0 | 74.2 | 74.4 | 74.9 |
| 59.3 | 64.8 | 69.1 | 72.1 | 73.2 | 75.1 | 75.8 | 76.1 | 76.5 | 77.0 | 77.0 | 77.3 | 77.5 | 77.7 | 78.2 |
| 60.9 | 66.3 | 71.3 | 74.6 | 75.7 | 77.7 | 78.4 | 78.6 | 79.1 | 79.6 | 79.6 | 80.0 | 80.2 | 80.3 | 81.0 |
| 61.8 | 67.7 | 72.8 | 76.0 | 77.2 | 79.2 | 79.9 | 80.2 | 80.7 | 81.2 | 81.2 | 81.5 | 81.7 | 81.9 | 82.5 |
| 63.0 | 69.1 | 74.4 | 77.7 | 78.9 | 81.0 | 81.7 | 81.9 | 82.4 | 82.9 | 82.9 | 83.2 | 83.5 | 83.7 | 84.3 |
| 63.6 | 69.8 | 75.1 | 78.4 | 79.6 | 81.7 | 82.4 | 82.6 | 83.2 | 83.7 | 83.7 | 84.0 | 84.3 | 84.4 | 85.1 |
| 64.1 | 70.4 | 75.8 | 79.3 | 80.5 | 82.8 | 83.5 | 83.8 | 84.4 | 84.9 | 84.9 | 85.2 | 85.4 | 85.6 | 86.2 |
| 65.1 | 71.7 | 77.4 | 80.9 | 82.2 | 84.4 | 85.2 | 85.6 | 86.2 | 86.7 | 86.7 | 87.1 | 87.3 | 87.5 | 88.1 |
| 66.0 | 72.6 | 78.4 | 81.9 | 83.3 | 85.7 | 86.5 | 86.9 | 87.5 | 88.0 | 88.0 | 88.4 | 88.6 | 88.7 | 89.4 |
| 66.2 | 73.1 | 78.9 | 82.3 | 84.0 | 86.3 | 87.2 | 87.5 | 88.1 | 88.6 | 88.6 | 89.0 | 89.2 | 89.4 | 90.0 |
| 66.7 | 74.0 | 80.2 | 83.9 | 85.4 | 87.8 | 88.7 | 89.1 | 89.6 | 90.1 | 90.1 | 90.5 | 90.8 | 90.9 | 91.5 |
| 67.4 | 74.8 | 81.6 | 85.4 | 87.0 | 89.6 | 90.3 | 90.8 | 91.4 | 91.9 | 91.9 | 92.3 | 92.6 | 92.7 | 93.3 |
| 67.7 | 75.4 | 82.6 | 86.6 | 88.2 | 90.8 | 91.9 | 92.3 | 92.9 | 93.4 | 93.4 | 93.8 | 94.1 | 94.2 | 94.8 |
| 67.9 | 75.7 | 83.1 | 87.2 | 88.8 | 91.4 | 92.5 | 92.9 | 93.4 | 94.0 | 94.0 | 94.4 | 94.7 | 94.8 | 95.4 |
| 68.1 | 76.1 | 83.8 | 88.1 | 89.8 | 92.4 | 93.5 | 93.9 | 94.5 | 95.0 | 95.0 | 95.4 | 95.7 | 95.9 | 96.5 |
| 68.2 | 76.2 | 84.0 | 88.4 | 90.2 | 92.9 | 94.1 | 94.5 | 95.1 | 95.6 | 95.6 | 96.1 | 96.4 | 96.5 | 97.1 |
| 68.4 | 76.4 | 84.4 | 88.8 | 90.6 | 93.4 | 94.7 | 95.1 | 95.8 | 96.3 | 96.3 | 96.8 | 97.1 | 97.2 | 97.8 |
| 68.4 | 76.8 | 84.8 | 89.3 | 91.4 | 94.4 | 95.7 | 96.1 | 96.8 | 97.3 | 97.3 | 97.8 | 98.1 | 98.2 | 98.9 |
| 68.5 | 77.0 | 85.0 | 89.7 | 91.6 | 94.6 | 96.0 | 96.4 | 97.1 | 97.6 | 97.6 | 98.0 | 98.3 | 98.5 | 99.1 |
| 68.8 | 77.0 | 85.0 | 89.8 | 91.8 | 94.8 | 96.3 | 96.7 | 97.4 | 98.0 | 98.1 | 98.5 | 98.8 | 98.9 | 99.6 |
| 68.9 | 77.0 | 85.0 | 89.8 | 91.8 | 94.8 | 96.3 | 96.7 | 97.4 | 98.0 | 98.1 | 98.5 | 98.8 | 98.9 | 99.6 |
| 68.9 | 77.0 | 85.0 | 89.8 | 91.8 | 94.8 | 96.3 | 96.7 | 97.4 | 98.0 | 98.1 | 98.5 | 98.8 | 98.9 | 99.6 |
| 68.9 | 77.0 | 85.0 | 89.8 | 91.8 | 94.8 | 96.3 | 96.7 | 97.4 | 98.0 | 98.1 | 98.5 | 98.8 | 98.9 | 99.6 |
| 68.9 | 77.0 | 85.0 | 89.8 | 91.8 | 94.8 | 96.3 | 96.7 | 97.4 | 98.0 | 98.1 | 98.5 | 98.8 | 98.9 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS

1972

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34Q56 SEMBACH AB GERMANY

52-72

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0300

| | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|------|------|-------|-------|-------|------|-------|------|-------|-------|-------|------|------|-------|-------|------|------|------|------|------|-------|------|------|------|-------|------|------|------|------|-------|------|------|------|-------|------|------|-------|-------|------|------|------|-------|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1-100 | 29.1 | 33.6 | 36.8 | 38.9 | 40.1 | 41.5 | 42.7 | 43.6 | 44.1 | 45.0 | 45.3 | 45.6 | 46.4 | 46.5 | 48.1 | 48.7 | 49.7 | 50.7 | 51.7 | 52.7 | 53.7 | 54.7 | 55.7 | 56.7 | 57.7 | 58.7 | 59.7 | 60.7 | 61.7 | 62.7 | 63.7 | 64.7 | 65.7 | 66.7 | 67.7 | 68.7 | 69.7 | 70.7 | 71.7 | 72.7 | 73.7 | 74.7 | 75.7 | 76.7 | 77.7 | 78.7 | 79.7 | 80.7 | 81.7 | 82.7 | 83.7 | 84.7 | 85.7 | 86.7 | 87.7 | 88.7 | 89.7 | 90.7 | 91.7 | 92.7 | 93.7 | 94.7 | 95.7 | 96.7 | 97.7 | 98.7 | 99.7 | 100.7 | | | | | | | | | | | | | |
| 101-200 | 31.7 | 36.7 | 40.2 | 42.3 | 43.6 | 45.1 | 46.3 | 47.3 | 47.8 | 48.8 | 49.1 | 49.4 | 50.2 | 50.4 | 52.2 | 52.8 | 53.8 | 54.8 | 55.8 | 56.8 | 57.8 | 58.8 | 59.8 | 60.8 | 61.8 | 62.8 | 63.8 | 64.8 | 65.8 | 66.8 | 67.8 | 68.8 | 69.8 | 70.8 | 71.8 | 72.8 | 73.8 | 74.8 | 75.8 | 76.8 | 77.8 | 78.8 | 79.8 | 80.8 | 81.8 | 82.8 | 83.8 | 84.8 | 85.8 | 86.8 | 87.8 | 88.8 | 89.8 | 90.8 | 91.8 | 92.8 | 93.8 | 94.8 | 95.8 | 96.8 | 97.8 | 98.8 | 99.8 | 100.8 | | | | | | | | | | | | | | | | | |
| 201-300 | 31.7 | 36.7 | 42.2 | 42.3 | 43.6 | 45.1 | 46.3 | 47.3 | 47.8 | 48.8 | 49.1 | 49.4 | 50.2 | 50.4 | 52.2 | 52.8 | 53.8 | 54.8 | 55.8 | 56.8 | 57.8 | 58.8 | 59.8 | 60.8 | 61.8 | 62.8 | 63.8 | 64.8 | 65.8 | 66.8 | 67.8 | 68.8 | 69.8 | 70.8 | 71.8 | 72.8 | 73.8 | 74.8 | 75.8 | 76.8 | 77.8 | 78.8 | 79.8 | 80.8 | 81.8 | 82.8 | 83.8 | 84.8 | 85.8 | 86.8 | 87.8 | 88.8 | 89.8 | 90.8 | 91.8 | 92.8 | 93.8 | 94.8 | 95.8 | 96.8 | 97.8 | 98.8 | 99.8 | 100.8 | | | | | | | | | | | | | | | | | |
| 301-400 | 31.7 | 36.7 | 40.4 | 42.3 | 43.6 | 45.2 | 46.3 | 47.3 | 48.0 | 49.0 | 49.3 | 49.6 | 50.6 | 50.7 | 52.7 | 53.7 | 54.7 | 55.7 | 56.7 | 57.7 | 58.7 | 59.7 | 60.7 | 61.7 | 62.7 | 63.7 | 64.7 | 65.7 | 66.7 | 67.7 | 68.7 | 69.7 | 70.7 | 71.7 | 72.7 | 73.7 | 74.7 | 75.7 | 76.7 | 77.7 | 78.7 | 79.7 | 80.7 | 81.7 | 82.7 | 83.7 | 84.7 | 85.7 | 86.7 | 87.7 | 88.7 | 89.7 | 90.7 | 91.7 | 92.7 | 93.7 | 94.7 | 95.7 | 96.7 | 97.7 | 98.7 | 99.7 | 100.7 | | | | | | | | | | | | | | | | | | |
| 401-500 | 34.4 | 39.5 | 43.0 | 45.2 | 46.3 | 48.0 | 49.3 | 50.4 | 50.9 | 52.0 | 52.3 | 52.6 | 53.5 | 53.6 | 55.7 | 56.7 | 57.7 | 58.7 | 59.7 | 60.7 | 61.7 | 62.7 | 63.7 | 64.7 | 65.7 | 66.7 | 67.7 | 68.7 | 69.7 | 70.7 | 71.7 | 72.7 | 73.7 | 74.7 | 75.7 | 76.7 | 77.7 | 78.7 | 79.7 | 80.7 | 81.7 | 82.7 | 83.7 | 84.7 | 85.7 | 86.7 | 87.7 | 88.7 | 89.7 | 90.7 | 91.7 | 92.7 | 93.7 | 94.7 | 95.7 | 96.7 | 97.7 | 98.7 | 99.7 | 100.7 | | | | | | | | | | | | | | | | | | | | | |
| 501-600 | 36.6 | 41.9 | 45.9 | 48.3 | 49.8 | 51.3 | 52.8 | 54.0 | 54.4 | 55.3 | 55.8 | 56.1 | 57.0 | 57.2 | 59.2 | 60.2 | 61.2 | 62.2 | 63.2 | 64.2 | 65.2 | 66.2 | 67.2 | 68.2 | 69.2 | 70.2 | 71.2 | 72.2 | 73.2 | 74.2 | 75.2 | 76.2 | 77.2 | 78.2 | 79.2 | 80.2 | 81.2 | 82.2 | 83.2 | 84.2 | 85.2 | 86.2 | 87.2 | 88.2 | 89.2 | 90.2 | 91.2 | 92.2 | 93.2 | 94.2 | 95.2 | 96.2 | 97.2 | 98.2 | 99.2 | 100.2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 601-700 | 40.6 | 46.1 | 50.3 | 53.0 | 54.3 | 56.3 | 57.8 | 59.0 | 59.3 | 60.6 | 60.9 | 61.2 | 62.2 | 62.3 | 64.3 | 65.3 | 66.3 | 67.3 | 68.3 | 69.3 | 70.3 | 71.3 | 72.3 | 73.3 | 74.3 | 75.3 | 76.3 | 77.3 | 78.3 | 79.3 | 80.3 | 81.3 | 82.3 | 83.3 | 84.3 | 85.3 | 86.3 | 87.3 | 88.3 | 89.3 | 90.3 | 91.3 | 92.3 | 93.3 | 94.3 | 95.3 | 96.3 | 97.3 | 98.3 | 99.3 | 100.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 701-800 | 43.3 | 49.0 | 53.3 | 56.3 | 58.0 | 60.0 | 61.3 | 62.7 | 63.2 | 64.3 | 64.8 | 65.1 | 66.2 | 66.3 | 68.3 | 69.3 | 70.3 | 71.3 | 72.3 | 73.3 | 74.3 | 75.3 | 76.3 | 77.3 | 78.3 | 79.3 | 80.3 | 81.3 | 82.3 | 83.3 | 84.3 | 85.3 | 86.3 | 87.3 | 88.3 | 89.3 | 90.3 | 91.3 | 92.3 | 93.3 | 94.3 | 95.3 | 96.3 | 97.3 | 98.3 | 99.3 | 100.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 801-900 | 46.9 | 53.0 | 57.7 | 61.1 | 62.8 | 64.9 | 66.3 | 67.8 | 68.3 | 70.0 | 70.4 | 70.8 | 71.7 | 71.9 | 74.1 | 75.1 | 76.1 | 77.1 | 78.1 | 79.1 | 80.1 | 81.1 | 82.1 | 83.1 | 84.1 | 85.1 | 86.1 | 87.1 | 88.1 | 89.1 | 90.1 | 91.1 | 92.1 | 93.1 | 94.1 | 95.1 | 96.1 | 97.1 | 98.1 | 99.1 | 100.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 901-1000 | 47.8 | 54.2 | 59.1 | 62.7 | 64.4 | 66.3 | 68.1 | 69.4 | 70.2 | 71.7 | 72.1 | 72.5 | 73.4 | 73.5 | 75.7 | 76.7 | 77.7 | 78.7 | 79.7 | 80.7 | 81.7 | 82.7 | 83.7 | 84.7 | 85.7 | 86.7 | 87.7 | 88.7 | 89.7 | 90.7 | 91.7 | 92.7 | 93.7 | 94.7 | 95.7 | 96.7 | 97.7 | 98.7 | 99.7 | 100.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1001-1100 | 49.1 | 55.9 | 61.0 | 64.7 | 66.0 | 68.9 | 70.6 | 72.0 | 72.6 | 74.1 | 74.5 | 74.9 | 75.8 | 75.9 | 78.1 | 79.1 | 80.1 | 81.1 | 82.1 | 83.1 | 84.1 | 85.1 | 86.1 | 87.1 | 88.1 | 89.1 | 90.1 | 91.1 | 92.1 | 93.1 | 94.1 | 95.1 | 96.1 | 97.1 | 98.1 | 99.1 | 100.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1101-1200 | 49.1 | 55.9 | 62.2 | 65.8 | 67.7 | 70.1 | 71.8 | 73.1 | 73.9 | 75.4 | 75.8 | 76.2 | 77.1 | 77.2 | 79.4 | 80.4 | 81.4 | 82.4 | 83.4 | 84.4 | 85.4 | 86.4 | 87.4 | 88.4 | 89.4 | 90.4 | 91.4 | 92.4 | 93.4 | 94.4 | 95.4 | 96.4 | 97.4 | 98.4 | 99.4 | 100.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1201-1300 | 50.3 | 57.8 | 63.1 | 66.7 | 68.6 | 71.0 | 72.8 | 74.1 | 74.9 | 76.4 | 76.8 | 77.2 | 78.1 | 78.2 | 80.4 | 81.4 | 82.4 | 83.4 | 84.4 | 85.4 | 86.4 | 87.4 | 88.4 | 89.4 | 90.4 | 91.4 | 92.4 | 93.4 | 94.4 | 95.4 | 96.4 | 97.4 | 98.4 | 99.4 | 100.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1301-1400 | 51.3 | 59.1 | 64.7 | 68.3 | 70.6 | 73.1 | 75.1 | 76.4 | 77.2 | 78.6 | 79.1 | 79.4 | 80.4 | 80.5 | 82.7 | 83.7 | 84.7 | 85.7 | 86.7 | 87.7 | 88.7 | 89.7 | 90.7 | 91.7 | 92.7 | 93.7 | 94.7 | 95.7 | 96.7 | 97.7 | 98.7 | 99.7 | 100.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1401-1500 | 52.3 | 60.2 | 65.9 | 69.6 | 72.0 | 74.6 | 76.3 | 77.9 | 78.7 | 80.2 | 80.6 | 81.0 | 82.0 | 82.1 | 84.3 | 85.3 | 86.3 | 87.3 | 88.3 | 89.3 | 90.3 | 91.3 | 92.3 | 93.3 | 94.3 | 95.3 | 96.3 | 97.3 | 98.3 | 99.3 | 100.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1501-1600 | 53.1 | 60.9 | 66.7 | 70.6 | 72.8 | 75.3 | 77.4 | 78.8 | 79.6 | 81.0 | 81.5 | 81.9 | 82.8 | 82.9 | 85.1 | 86.1 | 87.1 | 88.1 | 89.1 | 90.1 | 91.1 | 92.1 | 93.1 | 94.1 | 95.1 | 96.1 | 97.1 | 98.1 | 99.1 | 100.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1601-1700 | 54.2 | 62.3 | 68.3 | 72.3 | 74.4 | 77.2 | 79.2 | 80.6 | 81.4 | 82.8 | 83.3 | 83.6 | 84.6 | 84.7 | 86.9 | 87.9 | 88.9 | 89.9 | 90.9 | 91.9 | 92.9 | 93.9 | 94.9 | 95.9 | 96.9 | 97.9 | 98.9 | 99.9 | 100.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1701-1800 | 55.3 | 63.9 | 70.2 | 74.3 | 76.8 | 79.9 | 82.0 | 83.4 | 84.2 | 85.7 | 86.1 | 86.5 | 87.5 | 87.6 | 89.7 | 90.7 | 91.7 | 92.7 | 93.7 | 94.7 | 95.7 | 96.7 | 97.7 | 98.7 | 99.7 | 100.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1801-1900 | 55.9 | 64.9 | 71.3 | 75.0 | 78.4 | 81.7 | 83.8 | 85.3 | 86.2 | 87.7 | 88.1 | 88.5 | 89.4 | 89.5 | 91.7 | 92.7 | 93.7 | 94.7 | 95.7 | 96.7 | 97.7 | 98.7 | 99.7 | 100.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1901-2000 | 56.1 | 65.3 | 72.3 | 76.9 | 79.3 | 82.6 | 84.8 | 86.2 | 87.1 | 88.6 | 89.0 | 89.4 | 90.4 | 90.5 | 92.7 | 93.7 | 94.7 | 95.7 | 96.7 | 97.7 | 98.7 | 99.7 | 100.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2001-2100 | 56.2 | 66.0 | 73.1 | 78.1 | 80.6 | 83.9 | 86.0 | 87.3 | 88.4 | 89.9 | 90.3 | 90.7 | 91.7 | 91.8 | 93.9 | 94.9 | 95.9 | 96.9 | 97.9 | 98.9 | 99.9 | 100.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2101-2200 | 56.3 | 66.3 | 74.3 | 79.3 | 82.0 | 85.4 | 87.7 | 89.2 | 90.2 | 91.7 | 92.1 | 92.5 | 93.5 | 93.6 | 95.7 | 96.7 | 97.7 | 98.7 | 99.7 | 100.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2201-2300 | 56.3 | 66.7 | 74.4 | 80.0 | 82.6 | 86.2 | 88.3 | 90.1 | 91.1 | 92.6 | 93.0 | 93.4 | 94.4 | 94.5 | 96.7 | 97.7 | 98.7 | 99.7 | 100.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2301-2400 | 56.3 | 66.9 | 74.9 | 80.6 | 83.2 | 86.9 | 89.3 | 90.9 | 91.9 | 93.4 | 93.8 | 94.2 | 95.2 | 95.3 | 97.5 | 98.5 | 99.5 | 100.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2401-2500 | 56.3 | 66.9 | 74.9 | 80.8 | 83.3 | 87.1 | 89.7 | 91.4 | 92.4 | 93.9 | 94.3 | 94.7 | 95.7 | 95.8 | 97.9 | 98.9 | 99.9 | 100.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2501-2600 | 56.3 | 66.9 | 74.9 | 80.8 | 83.3 | 87.2 | 89.7 | 91.4 | 92.5 | 94.3 | 94.8 | 95.3 | 96.3 | 96.4 | 98.5 | 99.5 | 100.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2601-2700 | 56.3 | 66.9 | 74.9 | 80.8 | 83.3 | 87.2 | 89.7 | 91.4 | 92.5 | 94.3 | 94.8 | 95.3 | 96.3 | 96.4 | 98.5 | 99.5 | 100.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2701-2800 | 56.3 | 66.9 | 74.9 | 80.8 | 83.3 | 87.2 | 89.7 | 91.4 | 92.5 | 94.3 | 94.8 | 95.3 | 96.3 | 96.4 | 98.5 | 99.5 | 100.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2801-2900 | 56.3 | 66.9 | 74.9 | 80.8 | 83.3 | 87.2 | 89.7 | 91.4 | 92.5 | 94.3 | 94.8 | 95.3 | 96.3 | 96.4 | 98.5 | 99.5 | 100.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2901-3000 | 56.3 | 66.9 | 74.9 | 80.8 | 83.3 | 87.2 | 89.7 | 91.4 | 92.5 | 94.3 | 94.8 | 95.3 | 96.3 | 96.4 | 98.5 | 99.5 | 100.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

1020

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMDACH AB GERMANY

82-72

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0400-0800

| CEILING | 19.6 | 22.1 | 24.3 | 26.3 | 28.3 | 30.1 | 31.0 | 31.7 | 32.8 | 33.7 | 33.9 | 34.1 | 34.4 | 34.7 | 36.2 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1000 | 24.9 | 28.4 | 33.0 | 35.2 | 35.9 | 37.6 | 38.8 | 39.4 | 40.8 | 41.7 | 41.9 | 42.2 | 42.3 | 42.8 | 44.8 |
| 900 | 24.9 | 28.3 | 33.0 | 35.2 | 35.9 | 37.7 | 38.8 | 39.5 | 40.9 | 41.7 | 42.0 | 42.3 | 42.6 | 42.8 | 44.8 |
| 800 | 25.0 | 28.3 | 33.1 | 35.4 | 36.0 | 37.7 | 38.9 | 39.5 | 40.9 | 41.8 | 42.0 | 42.3 | 42.6 | 42.9 | 44.9 |
| 700 | 25.1 | 28.9 | 33.4 | 35.8 | 36.3 | 38.1 | 39.4 | 40.1 | 41.8 | 42.4 | 42.6 | 42.9 | 43.2 | 43.3 | 45.3 |
| 600 | 25.8 | 29.7 | 34.2 | 36.6 | 37.2 | 39.0 | 40.2 | 40.9 | 42.3 | 43.3 | 43.5 | 43.8 | 44.1 | 44.4 | 46.2 |
| 500 | 27.3 | 31.3 | 35.9 | 38.4 | 39.0 | 41.0 | 42.4 | 43.1 | 44.7 | 45.6 | 45.9 | 46.2 | 46.6 | 46.9 | 48.6 |
| 400 | 29.2 | 33.3 | 38.3 | 41.2 | 41.7 | 43.8 | 45.3 | 46.2 | 47.7 | 48.8 | 49.0 | 49.3 | 49.8 | 50.1 | 52.1 |
| 300 | 33.3 | 38.1 | 43.3 | 46.6 | 47.3 | 49.6 | 51.3 | 52.2 | 53.9 | 55.1 | 55.3 | 55.6 | 56.2 | 56.3 | 58.7 |
| 200 | 33.4 | 40.3 | 46.0 | 49.3 | 50.1 | 52.6 | 54.4 | 55.2 | 57.0 | 58.2 | 58.4 | 58.6 | 59.2 | 59.6 | 61.9 |
| 100 | 37.6 | 43.0 | 48.8 | 52.1 | 52.9 | 55.4 | 57.3 | 58.2 | 60.0 | 61.2 | 61.4 | 61.7 | 62.3 | 62.6 | 64.9 |
| 50 | 38.6 | 44.2 | 50.1 | 53.7 | 54.5 | 57.0 | 59.1 | 60.0 | 61.8 | 63.1 | 63.3 | 63.7 | 64.2 | 64.5 | 66.8 |
| 40 | 39.4 | 45.1 | 51.0 | 54.7 | 55.6 | 58.1 | 60.2 | 61.1 | 62.9 | 64.2 | 64.4 | 64.8 | 65.3 | 65.6 | 67.9 |
| 30 | 41.0 | 47.0 | 53.1 | 56.9 | 57.8 | 60.4 | 62.6 | 63.4 | 65.2 | 66.5 | 66.8 | 67.2 | 67.7 | 68.0 | 70.2 |
| 20 | 42.0 | 48.0 | 54.3 | 58.3 | 59.4 | 62.2 | 64.3 | 65.2 | 67.0 | 68.3 | 68.6 | 69.0 | 69.5 | 69.8 | 72.1 |
| 10 | 43.1 | 49.3 | 56.0 | 60.0 | 61.2 | 64.1 | 66.2 | 67.2 | 69.0 | 70.4 | 70.7 | 71.0 | 71.5 | 71.9 | 74.2 |
| 5 | 44.4 | 50.7 | 57.9 | 62.0 | 63.3 | 66.4 | 68.7 | 69.3 | 71.4 | 72.8 | 73.2 | 73.5 | 74.1 | 74.4 | 76.7 |
| 2 | 46.3 | 53.0 | 60.3 | 64.6 | 66.0 | 69.2 | 71.5 | 72.3 | 74.2 | 75.7 | 76.1 | 76.3 | 77.0 | 77.3 | 79.6 |
| 1 | 46.6 | 53.2 | 60.5 | 64.8 | 66.2 | 69.4 | 71.7 | 72.5 | 74.4 | 75.9 | 76.3 | 76.5 | 77.2 | 77.5 | 80.2 |
| 0 | 47.8 | 54.3 | 61.6 | 65.9 | 67.3 | 70.6 | 72.9 | 73.7 | 75.6 | 77.1 | 77.5 | 77.7 | 78.4 | 78.7 | 81.4 |
| 0.5 | 48.5 | 55.0 | 62.3 | 66.6 | 68.0 | 71.3 | 73.6 | 74.4 | 76.3 | 77.8 | 78.2 | 78.4 | 79.1 | 79.4 | 82.1 |
| 0.2 | 49.7 | 56.3 | 63.6 | 67.9 | 69.3 | 72.6 | 74.9 | 75.7 | 77.6 | 79.1 | 79.5 | 79.7 | 80.4 | 80.7 | 83.4 |
| 0.1 | 50.2 | 56.8 | 64.1 | 68.4 | 69.8 | 73.1 | 75.4 | 76.2 | 78.1 | 79.6 | 80.0 | 80.2 | 80.9 | 81.2 | 83.9 |
| 0.05 | 50.7 | 57.3 | 64.6 | 69.0 | 70.4 | 73.7 | 76.0 | 76.8 | 78.7 | 80.2 | 80.6 | 80.8 | 81.5 | 81.8 | 84.5 |
| 0.02 | 50.9 | 57.5 | 64.8 | 69.2 | 70.6 | 73.9 | 76.2 | 77.0 | 78.9 | 80.4 | 80.8 | 81.0 | 81.7 | 82.0 | 84.7 |
| 0.01 | 51.1 | 57.7 | 65.0 | 69.4 | 70.8 | 74.1 | 76.4 | 77.2 | 79.1 | 80.6 | 81.0 | 81.2 | 81.9 | 82.2 | 84.9 |
| 0.005 | 51.1 | 57.7 | 65.0 | 69.4 | 70.8 | 74.1 | 76.4 | 77.2 | 79.1 | 80.6 | 81.0 | 81.2 | 81.9 | 82.2 | 84.9 |
| 0.002 | 51.1 | 57.7 | 65.0 | 69.4 | 70.8 | 74.1 | 76.4 | 77.2 | 79.1 | 80.6 | 81.0 | 81.2 | 81.9 | 82.2 | 84.9 |
| 0.001 | 51.1 | 57.7 | 65.0 | 69.4 | 70.8 | 74.1 | 76.4 | 77.2 | 79.1 | 80.6 | 81.0 | 81.2 | 81.9 | 82.2 | 84.9 |
| 0.0005 | 51.1 | 57.7 | 65.0 | 69.4 | 70.8 | 74.1 | 76.4 | 77.2 | 79.1 | 80.6 | 81.0 | 81.2 | 81.9 | 82.2 | 84.9 |
| 0.0002 | 51.1 | 57.7 | 65.0 | 69.4 | 70.8 | 74.1 | 76.4 | 77.2 | 79.1 | 80.6 | 81.0 | 81.2 | 81.9 | 82.2 | 84.9 |
| 0.0001 | 51.1 | 57.7 | 65.0 | 69.4 | 70.8 | 74.1 | 76.4 | 77.2 | 79.1 | 80.6 | 81.0 | 81.2 | 81.9 | 82.2 | 84.9 |

TOTAL NUMBER OF OBSERVATIONS

1720

0000-1104

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94056 SEMBACH AB GERMANY

52-72

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

| | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 1000 | 24.0 | 26.0 | 26.7 | 26.8 | 26.8 | 26.8 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 | |
| 900 | 27.8 | 28.5 | 28.2 | 28.3 | 28.3 | 28.3 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | |
| 800 | 34.0 | 35.7 | 36.3 | 36.3 | 36.3 | 36.3 | 36.5 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | |
| 700 | 34.1 | 35.8 | 36.5 | 36.6 | 36.6 | 36.6 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | |
| 600 | 34.7 | 36.5 | 37.1 | 37.2 | 37.3 | 37.3 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | |
| 500 | 36.1 | 37.9 | 38.6 | 38.7 | 38.8 | 38.8 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | |
| 400 | 38.4 | 40.4 | 41.3 | 41.5 | 41.5 | 41.5 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | |
| 300 | 41.1 | 43.3 | 44.1 | 44.3 | 44.4 | 44.4 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | |
| 200 | 44.5 | 47.2 | 48.2 | 48.5 | 48.6 | 48.6 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | |
| 100 | 47.9 | 50.7 | 51.8 | 52.1 | 52.2 | 52.2 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | |
| 0 | 50.8 | 53.8 | 55.2 | 55.4 | 55.5 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | |
| 1000 | 53.8 | 56.8 | 58.2 | 58.5 | 58.6 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | |
| 900 | 55.7 | 58.9 | 60.3 | 60.7 | 60.8 | 60.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | |
| 800 | 60.7 | 64.2 | 65.7 | 66.2 | 66.3 | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | |
| 700 | 64.5 | 68.3 | 69.8 | 70.4 | 70.5 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | |
| 600 | 71.0 | 75.3 | 77.2 | 77.8 | 78.0 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | |
| 500 | 76.0 | 80.9 | 82.8 | 83.6 | 83.8 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | |
| 400 | 80.9 | 86.2 | 88.4 | 89.3 | 89.6 | 89.7 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | |
| 300 | 82.9 | 88.4 | 90.7 | 91.7 | 92.0 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | |
| 200 | 84.6 | 90.3 | 92.8 | 93.8 | 94.1 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | |
| 100 | 86.1 | 92.1 | 95.0 | 96.4 | 96.7 | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | |
| 0 | 86.6 | 92.7 | 95.7 | 97.1 | 97.5 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | |
| 1000 | 86.7 | 92.8 | 95.9 | 97.4 | 97.7 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | |
| 900 | 87.2 | 93.3 | 96.4 | 98.0 | 98.4 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | |
| 800 | 87.3 | 93.5 | 96.6 | 98.4 | 98.8 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | |
| 700 | 87.4 | 93.6 | 96.8 | 98.7 | 99.1 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | |
| 600 | 87.4 | 93.7 | 96.9 | 98.7 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| 500 | 87.4 | 93.7 | 96.9 | 98.7 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| 400 | 87.4 | 93.7 | 96.9 | 98.7 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| 300 | 87.4 | 93.7 | 96.9 | 98.7 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| 200 | 87.4 | 93.7 | 96.9 | 98.7 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| 100 | 87.4 | 93.7 | 96.9 | 98.7 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |
| 0 | 87.4 | 93.7 | 96.9 | 98.7 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | |

TOTAL NUMBER OF OBSERVATIONS

1717

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

33-72

ALG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 28.2 | 29.0 | 29.3 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 |
| 39.4 | 40.3 | 40.9 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| 39.3 | 40.6 | 40.9 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |
| 39.9 | 41.0 | 41.3 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| 40.6 | 41.7 | 42.1 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 |
| 43.2 | 44.6 | 45.0 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| 46.3 | 47.7 | 48.1 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 |
| 51.1 | 52.3 | 52.9 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| 55.3 | 57.0 | 57.5 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| 61.3 | 63.1 | 63.7 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| 67.3 | 69.2 | 69.7 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| 70.9 | 72.9 | 73.3 | 73.9 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| 73.0 | 75.2 | 75.8 | 76.2 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| 76.4 | 78.6 | 79.3 | 79.8 | 79.9 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 80.2 | 82.3 | 83.3 | 83.8 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| 84.3 | 86.7 | 87.8 | 88.4 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| 87.0 | 89.6 | 90.8 | 91.4 | 91.4 | 91.5 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 89.2 | 92.1 | 93.4 | 94.1 | 94.2 | 94.3 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| 90.1 | 92.1 | 94.6 | 95.4 | 95.5 | 95.6 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 90.8 | 92.9 | 95.3 | 96.4 | 96.5 | 96.6 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| 91.9 | 93.0 | 96.8 | 98.1 | 98.2 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 92.1 | 95.5 | 97.4 | 98.7 | 98.8 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 92.1 | 95.3 | 97.5 | 98.9 | 99.0 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 92.1 | 95.3 | 97.7 | 99.0 | 99.1 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 92.2 | 95.6 | 97.7 | 99.1 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 92.2 | 95.6 | 97.7 | 99.1 | 99.3 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 92.2 | 95.6 | 97.8 | 99.2 | 99.4 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 92.2 | 95.6 | 97.8 | 99.2 | 99.4 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 92.2 | 95.6 | 97.8 | 99.2 | 99.4 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 92.2 | 95.6 | 97.8 | 99.2 | 99.4 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 92.2 | 95.6 | 97.8 | 99.2 | 99.4 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1715

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

59-71

ALG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1400-2000

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 33.2 | 34.0 | 34.2 | 34.4 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 |
| 46.9 | 47.9 | 48.2 | 48.6 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| 47.4 | 48.5 | 48.8 | 49.1 | 49.2 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| 47.9 | 49.0 | 49.3 | 49.7 | 49.8 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 |
| 49.9 | 51.2 | 51.5 | 51.9 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 53.0 | 54.3 | 54.7 | 55.1 | 55.3 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 57.1 | 58.5 | 58.8 | 59.2 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| 63.0 | 64.5 | 65.2 | 66.0 | 66.2 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| 69.8 | 71.5 | 72.5 | 73.4 | 73.6 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| 73.6 | 76.0 | 77.0 | 78.0 | 78.2 | 78.3 | 78.5 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| 77.0 | 79.6 | 80.8 | 81.9 | 82.1 | 82.2 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 78.6 | 81.4 | 82.7 | 83.8 | 84.0 | 84.1 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 80.4 | 83.1 | 84.7 | 85.9 | 86.2 | 86.3 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| 82.2 | 85.2 | 87.0 | 88.3 | 88.6 | 88.8 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| 84.7 | 87.8 | 89.7 | 91.2 | 91.5 | 91.8 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| 86.0 | 89.6 | 91.6 | 93.0 | 93.3 | 93.8 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| 86.5 | 90.2 | 92.3 | 93.8 | 94.2 | 94.6 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| 86.9 | 90.6 | 92.8 | 94.5 | 94.8 | 95.2 | 95.5 | 95.5 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 87.4 | 91.2 | 93.7 | 95.5 | 95.9 | 96.2 | 96.6 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 88.0 | 91.9 | 94.5 | 96.5 | 97.1 | 97.5 | 97.8 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 88.0 | 92.1 | 95.1 | 97.1 | 97.5 | 98.1 | 98.5 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 88.0 | 92.1 | 95.4 | 97.3 | 97.7 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 88.0 | 92.2 | 95.5 | 97.3 | 97.9 | 98.6 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 88.1 | 92.4 | 95.8 | 97.5 | 98.2 | 99.0 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 88.1 | 92.4 | 95.8 | 97.5 | 98.3 | 99.0 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 88.1 | 92.4 | 95.8 | 97.5 | 98.3 | 99.1 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 88.1 | 92.4 | 95.8 | 97.5 | 98.4 | 99.2 | 99.7 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 88.1 | 92.4 | 95.8 | 97.5 | 98.4 | 99.2 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 88.1 | 92.4 | 95.8 | 97.5 | 98.4 | 99.2 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 88.1 | 92.4 | 95.8 | 97.5 | 98.4 | 99.2 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1577

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

22-70

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 41.8 | 44.6 | 46.1 | 47.4 | 47.8 | 48.0 | 48.2 | 48.2 | 48.3 | 48.4 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.6 |
| 49.6 | 53.1 | 54.8 | 56.1 | 56.2 | 56.8 | 57.0 | 57.0 | 57.2 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.5 |
| 49.7 | 53.2 | 54.9 | 56.2 | 56.4 | 56.9 | 57.1 | 57.1 | 57.2 | 57.4 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.6 |
| 49.7 | 53.2 | 54.9 | 56.2 | 56.4 | 56.9 | 57.1 | 57.1 | 57.2 | 57.4 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.6 |
| 49.8 | 53.4 | 55.0 | 56.4 | 56.6 | 57.0 | 57.3 | 57.3 | 57.3 | 57.5 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.7 |
| 51.1 | 54.7 | 56.4 | 57.7 | 57.9 | 58.3 | 58.6 | 58.6 | 58.8 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 59.0 |
| 52.7 | 56.4 | 58.1 | 59.6 | 59.8 | 60.3 | 60.5 | 60.5 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 61.0 |
| 55.9 | 59.9 | 61.7 | 63.7 | 63.9 | 64.5 | 64.7 | 64.7 | 65.0 | 65.0 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.2 |
| 59.7 | 64.5 | 66.7 | 68.9 | 69.1 | 69.7 | 70.0 | 70.0 | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.5 |
| 65.2 | 70.3 | 72.9 | 75.2 | 75.3 | 76.1 | 76.4 | 76.5 | 76.8 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 77.1 |
| 65.7 | 73.9 | 76.7 | 79.3 | 79.6 | 80.1 | 80.3 | 80.6 | 80.8 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.2 |
| 71.8 | 77.7 | 80.8 | 83.6 | 83.8 | 84.4 | 84.8 | 84.8 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3 |
| 72.9 | 78.9 | 82.0 | 84.8 | 85.0 | 85.7 | 86.1 | 86.1 | 86.4 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.8 |
| 74.1 | 80.3 | 83.6 | 86.5 | 86.8 | 87.4 | 87.8 | 87.8 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.3 |
| 74.5 | 81.3 | 84.7 | 87.8 | 88.3 | 89.0 | 89.3 | 89.6 | 89.8 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.2 |
| 75.6 | 82.2 | 85.9 | 89.0 | 89.8 | 90.3 | 90.7 | 90.8 | 91.0 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.4 |
| 76.6 | 83.3 | 86.9 | 90.3 | 90.8 | 91.3 | 91.8 | 92.0 | 92.3 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.7 |
| 77.1 | 84.0 | 87.6 | 91.1 | 91.7 | 92.3 | 92.9 | 93.0 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.6 |
| 77.3 | 84.2 | 88.0 | 91.3 | 92.1 | 92.9 | 93.3 | 93.4 | 93.6 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 94.0 |
| 77.5 | 84.7 | 88.6 | 92.3 | 93.1 | 93.8 | 94.3 | 94.3 | 94.6 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 95.0 |
| 78.3 | 85.3 | 89.6 | 93.6 | 94.3 | 95.0 | 95.3 | 95.6 | 95.9 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 |
| 78.5 | 85.7 | 90.0 | 94.0 | 94.8 | 95.6 | 96.1 | 96.2 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.8 |
| 78.7 | 85.9 | 90.3 | 94.3 | 95.3 | 96.1 | 96.6 | 96.7 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.3 |
| 78.8 | 86.1 | 90.6 | 94.8 | 95.7 | 96.9 | 97.6 | 97.8 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 |
| 78.9 | 86.3 | 90.8 | 95.2 | 96.1 | 97.3 | 98.1 | 98.2 | 98.3 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 |
| 78.9 | 86.4 | 91.1 | 95.6 | 96.6 | 97.8 | 98.7 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 |
| 78.9 | 86.4 | 91.1 | 95.6 | 96.7 | 97.9 | 98.9 | 99.0 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 |
| 78.9 | 86.4 | 91.1 | 95.6 | 96.7 | 98.0 | 98.9 | 99.1 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 |
| 78.9 | 86.4 | 91.1 | 95.6 | 96.7 | 98.0 | 98.9 | 99.1 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |
| 78.9 | 86.4 | 91.1 | 95.6 | 96.7 | 98.0 | 98.9 | 99.1 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |
| 78.9 | 86.4 | 91.1 | 95.6 | 96.7 | 98.0 | 98.9 | 99.1 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1870

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34036 SEYBACH AB GERMANY

33-08-71

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 31.7 | 30.8 | 40.2 | 43.6 | 45.6 | 48.3 | 49.8 | 50.3 | 51.9 | 52.9 | 53.1 | 53.3 | 54.2 | 54.2 | 55.0 |
| 34.1 | 39.8 | 43.2 | 47.2 | 49.7 | 52.6 | 54.1 | 54.6 | 56.2 | 57.2 | 57.3 | 57.7 | 58.3 | 58.6 | 60.2 |
| 34.1 | 39.8 | 43.2 | 47.3 | 49.8 | 52.7 | 54.2 | 54.7 | 56.3 | 57.3 | 57.5 | 57.7 | 58.6 | 58.6 | 60.2 |
| 34.1 | 39.8 | 43.2 | 47.3 | 49.8 | 52.7 | 54.2 | 54.7 | 56.3 | 57.3 | 57.5 | 57.7 | 58.6 | 58.6 | 60.2 |
| 34.3 | 40.0 | 43.4 | 47.3 | 50.0 | 52.9 | 54.4 | 54.9 | 56.5 | 57.5 | 57.7 | 57.9 | 58.8 | 58.8 | 60.4 |
| 34.8 | 40.7 | 44.2 | 48.2 | 50.8 | 53.8 | 55.3 | 55.8 | 57.4 | 58.4 | 58.6 | 58.8 | 59.7 | 59.7 | 61.3 |
| 35.8 | 41.7 | 45.4 | 49.4 | 52.0 | 55.1 | 56.7 | 57.3 | 58.9 | 60.0 | 60.2 | 60.4 | 61.3 | 61.3 | 62.9 |
| 37.1 | 43.4 | 47.3 | 51.4 | 54.0 | 57.2 | 58.8 | 59.5 | 61.1 | 62.2 | 62.5 | 62.7 | 63.8 | 63.8 | 65.2 |
| 39.3 | 46.3 | 50.7 | 55.1 | 58.0 | 61.7 | 63.2 | 63.9 | 65.7 | 66.9 | 67.1 | 67.3 | 68.1 | 68.2 | 69.8 |
| 42.3 | 49.9 | 54.9 | 59.3 | 62.6 | 66.4 | 68.0 | 68.7 | 70.4 | 71.8 | 72.0 | 72.2 | 73.2 | 73.2 | 74.8 |
| 43.8 | 51.1 | 56.7 | 61.3 | 64.8 | 68.7 | 70.3 | 71.0 | 72.7 | 74.2 | 74.4 | 74.6 | 75.6 | 75.7 | 77.3 |
| 45.1 | 53.3 | 58.9 | 64.1 | 67.4 | 71.4 | 73.1 | 73.8 | 75.3 | 76.9 | 77.2 | 77.4 | 78.4 | 78.5 | 80.0 |
| 46.0 | 54.2 | 59.9 | 65.2 | 68.5 | 72.6 | 74.3 | 74.9 | 76.7 | 78.1 | 78.3 | 78.5 | 79.6 | 79.6 | 81.2 |
| 46.8 | 55.2 | 61.3 | 66.8 | 70.1 | 74.3 | 75.9 | 76.6 | 78.3 | 79.8 | 80.0 | 80.2 | 81.2 | 81.3 | 82.9 |
| 47.6 | 56.3 | 62.4 | 68.1 | 71.4 | 75.6 | 77.2 | 77.9 | 79.6 | 81.1 | 81.3 | 81.5 | 82.5 | 82.6 | 84.2 |
| 48.8 | 57.5 | 63.7 | 69.6 | 73.0 | 77.2 | 78.9 | 79.6 | 81.3 | 82.8 | 83.0 | 83.2 | 84.2 | 84.3 | 85.9 |
| 49.3 | 58.1 | 64.3 | 70.3 | 73.8 | 78.0 | 79.8 | 80.6 | 82.3 | 83.8 | 84.0 | 84.2 | 85.2 | 85.3 | 86.9 |
| 50.8 | 59.9 | 66.2 | 72.3 | 75.7 | 80.0 | 81.7 | 82.3 | 84.2 | 85.7 | 85.9 | 86.2 | 87.2 | 87.3 | 88.9 |
| 51.1 | 60.3 | 66.6 | 72.8 | 76.3 | 80.6 | 82.4 | 83.2 | 84.9 | 86.4 | 86.6 | 86.9 | 87.9 | 88.0 | 89.5 |
| 51.9 | 61.1 | 67.3 | 73.9 | 77.3 | 81.8 | 83.6 | 84.4 | 86.2 | 87.7 | 88.0 | 88.2 | 89.2 | 89.3 | 90.9 |
| 52.6 | 61.9 | 68.0 | 75.6 | 79.3 | 83.8 | 85.7 | 86.6 | 88.4 | 89.8 | 90.0 | 90.3 | 91.3 | 91.4 | 93.0 |
| 53.3 | 63.0 | 70.4 | 77.2 | 80.9 | 85.3 | 87.3 | 88.4 | 90.2 | 91.7 | 91.9 | 92.2 | 93.2 | 93.3 | 94.8 |
| 53.8 | 63.5 | 71.0 | 77.8 | 81.6 | 86.1 | 88.1 | 89.1 | 90.8 | 92.3 | 92.5 | 92.8 | 93.8 | 93.9 | 95.3 |
| 54.0 | 63.9 | 71.6 | 78.3 | 82.2 | 87.1 | 89.1 | 90.1 | 91.9 | 93.2 | 93.5 | 93.8 | 94.8 | 94.9 | 96.3 |
| 54.2 | 64.2 | 71.9 | 78.9 | 83.1 | 87.7 | 89.7 | 90.7 | 92.5 | 93.9 | 94.2 | 94.4 | 95.3 | 95.6 | 97.2 |
| 54.3 | 64.3 | 72.1 | 79.1 | 83.3 | 88.1 | 90.1 | 91.1 | 92.8 | 94.3 | 94.6 | 94.8 | 95.7 | 95.9 | 97.3 |
| 54.4 | 64.4 | 72.3 | 79.4 | 84.0 | 88.7 | 90.7 | 91.7 | 93.5 | 94.9 | 95.1 | 95.4 | 96.3 | 96.6 | 98.3 |
| 54.4 | 64.4 | 72.3 | 79.4 | 84.0 | 88.7 | 90.8 | 91.7 | 93.6 | 95.0 | 95.2 | 95.5 | 96.4 | 96.7 | 98.4 |
| 54.4 | 64.4 | 72.3 | 79.4 | 84.0 | 88.8 | 90.9 | 91.9 | 93.7 | 95.2 | 95.5 | 95.7 | 96.6 | 96.9 | 98.6 |
| 54.4 | 64.4 | 72.3 | 79.4 | 84.0 | 88.8 | 90.9 | 91.9 | 93.7 | 95.2 | 95.5 | 95.7 | 96.6 | 96.9 | 98.6 |
| 54.4 | 64.4 | 72.3 | 79.4 | 84.0 | 88.9 | 91.0 | 91.9 | 93.8 | 95.3 | 95.7 | 96.0 | 97.1 | 97.2 | 99.1 |
| 54.4 | 64.4 | 72.3 | 79.5 | 84.0 | 88.9 | 91.0 | 91.9 | 93.8 | 95.3 | 95.7 | 96.0 | 97.1 | 97.2 | 99.1 |

TOTAL NUMBER OF OBSERVATIONS

1433

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

CSCC-050C

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 26.3 | 30.5 | 33.6 | 37.1 | 39.2 | 43.2 | 44.9 | 45.6 | 47.2 | 48.5 | 48.9 | 49.7 | 50.8 | 51.1 | 54.5 |
| 28.3 | 32.5 | 35.9 | 39.6 | 41.8 | 45.9 | 47.8 | 48.5 | 50.2 | 51.6 | 51.9 | 52.8 | 53.9 | 54.2 | 57.7 |
| 28.4 | 32.6 | 36.0 | 39.7 | 42.0 | 46.1 | 47.9 | 48.7 | 50.3 | 51.7 | 52.1 | 52.9 | 54.1 | 54.3 | 57.8 |
| 28.4 | 32.6 | 36.0 | 39.7 | 42.0 | 46.1 | 47.9 | 48.7 | 50.3 | 51.7 | 52.1 | 52.9 | 54.1 | 54.3 | 57.8 |
| 28.5 | 32.8 | 36.3 | 40.0 | 42.3 | 46.4 | 48.3 | 49.0 | 50.7 | 52.1 | 52.4 | 53.3 | 54.4 | 54.7 | 58.2 |
| 28.9 | 33.2 | 36.7 | 40.4 | 42.8 | 46.9 | 48.9 | 49.7 | 51.4 | 52.8 | 53.1 | 54.0 | 55.1 | 55.4 | 58.9 |
| 30.0 | 34.3 | 37.8 | 41.6 | 43.9 | 48.1 | 50.1 | 50.9 | 52.6 | 54.0 | 54.3 | 55.2 | 56.3 | 56.6 | 60.1 |
| 30.9 | 34.4 | 37.9 | 43.6 | 46.3 | 50.5 | 52.6 | 53.3 | 55.2 | 56.6 | 56.9 | 57.8 | 59.0 | 59.3 | 62.8 |
| 32.8 | 37.4 | 41.5 | 45.9 | 48.8 | 53.5 | 55.6 | 56.3 | 58.2 | 59.6 | 60.0 | 60.8 | 62.1 | 62.4 | 65.9 |
| 34.5 | 39.4 | 43.7 | 48.2 | 51.6 | 56.2 | 58.5 | 59.2 | 61.4 | 62.9 | 63.3 | 64.2 | 65.6 | 65.8 | 69.4 |
| 36.0 | 41.2 | 45.8 | 50.6 | 53.9 | 58.6 | 60.8 | 61.6 | 63.8 | 65.3 | 65.8 | 66.6 | 68.1 | 68.4 | 71.9 |
| 36.6 | 42.2 | 47.1 | 52.2 | 55.5 | 60.4 | 62.6 | 63.4 | 65.8 | 67.3 | 67.8 | 68.6 | 70.1 | 70.3 | 73.9 |
| 37.4 | 43.0 | 47.8 | 53.2 | 56.5 | 61.4 | 63.6 | 64.4 | 66.8 | 68.3 | 68.8 | 69.6 | 71.1 | 71.3 | 74.9 |
| 37.5 | 43.3 | 48.4 | 54.1 | 57.4 | 62.4 | 64.6 | 65.4 | 67.9 | 69.4 | 69.9 | 70.7 | 72.2 | 72.5 | 76.1 |
| 38.4 | 44.1 | 49.2 | 55.1 | 58.5 | 63.6 | 65.8 | 66.6 | 69.1 | 70.6 | 71.1 | 71.9 | 73.4 | 73.7 | 77.3 |
| 39.3 | 44.8 | 50.0 | 57.2 | 60.6 | 65.8 | 68.0 | 68.8 | 71.2 | 72.7 | 73.2 | 74.1 | 75.5 | 75.8 | 79.3 |
| 40.1 | 46.1 | 51.7 | 58.0 | 61.5 | 66.6 | 68.8 | 69.6 | 72.1 | 73.6 | 74.1 | 74.9 | 76.4 | 76.7 | 80.3 |
| 41.8 | 48.0 | 53.7 | 60.1 | 63.6 | 68.9 | 71.1 | 71.9 | 74.4 | 75.9 | 76.4 | 77.3 | 78.8 | 79.1 | 82.7 |
| 42.0 | 48.5 | 54.3 | 60.8 | 64.3 | 69.6 | 71.8 | 72.6 | 75.1 | 76.6 | 77.1 | 77.9 | 79.5 | 79.7 | 83.4 |
| 43.3 | 50.3 | 56.4 | 63.0 | 66.6 | 72.1 | 74.3 | 75.1 | 77.5 | 79.1 | 79.5 | 80.4 | 81.9 | 82.2 | 85.8 |
| 44.1 | 51.7 | 58.3 | 65.8 | 69.8 | 75.5 | 77.7 | 78.5 | 81.0 | 82.5 | 83.0 | 83.8 | 85.4 | 85.6 | 89.3 |
| 44.7 | 52.5 | 59.4 | 67.0 | 71.1 | 76.9 | 79.1 | 80.0 | 82.5 | 84.0 | 84.5 | 85.4 | 87.0 | 87.2 | 90.9 |
| 44.9 | 52.9 | 60.1 | 67.8 | 72.0 | 77.9 | 80.1 | 81.0 | 83.5 | 85.0 | 85.5 | 86.4 | 88.0 | 88.2 | 91.9 |
| 45.3 | 53.5 | 60.9 | 68.7 | 73.1 | 79.1 | 81.3 | 82.2 | 84.7 | 86.2 | 86.7 | 87.6 | 89.2 | 89.7 | 93.4 |
| 45.6 | 53.9 | 61.6 | 69.4 | 73.9 | 79.9 | 82.2 | 83.2 | 85.7 | 87.2 | 87.7 | 88.6 | 90.2 | 90.7 | 94.3 |
| 45.7 | 54.0 | 61.7 | 69.6 | 74.1 | 80.3 | 82.5 | 83.6 | 86.1 | 87.6 | 88.1 | 89.2 | 90.8 | 91.1 | 94.7 |
| 45.7 | 54.1 | 61.8 | 69.8 | 74.3 | 80.7 | 83.1 | 84.3 | 86.8 | 88.3 | 88.8 | 89.9 | 91.5 | 91.8 | 95.4 |
| 45.7 | 54.1 | 61.9 | 69.9 | 74.6 | 81.0 | 83.4 | 84.6 | 87.2 | 88.7 | 89.2 | 90.2 | 91.8 | 92.1 | 95.7 |
| 45.7 | 54.1 | 61.9 | 69.9 | 74.7 | 81.4 | 83.8 | 85.0 | 87.7 | 89.2 | 89.7 | 90.8 | 92.4 | 92.7 | 96.3 |
| 45.7 | 54.1 | 61.9 | 69.9 | 74.7 | 81.6 | 84.2 | 85.3 | 88.6 | 90.3 | 91.2 | 92.0 | 93.8 | 94.1 | 98.3 |
| 45.7 | 54.1 | 61.9 | 69.9 | 74.7 | 81.6 | 84.2 | 85.3 | 88.6 | 90.3 | 91.2 | 92.1 | 93.9 | 94.2 | 98.3 |
| 45.7 | 54.1 | 61.9 | 69.9 | 74.7 | 81.6 | 84.2 | 85.3 | 88.6 | 90.3 | 91.2 | 92.1 | 93.9 | 94.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1504

USAF E7AC 10-14-5 GL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

53-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 17.7 | 19.8 | 23.0 | 25.8 | 27.2 | 28.9 | 30.6 | 31.3 | 33.2 | 34.3 | 34.8 | 35.7 | 36.6 | 36.7 | 41.0 |
| 19.9 | 22.8 | 26.5 | 30.3 | 32.1 | 34.1 | 36.1 | 37.1 | 39.1 | 40.7 | 41.3 | 42.2 | 43.3 | 43.4 | 48.1 |
| 19.9 | 22.8 | 26.5 | 30.3 | 32.1 | 34.1 | 36.1 | 37.1 | 39.1 | 40.7 | 41.3 | 42.2 | 43.3 | 43.4 | 48.1 |
| 19.9 | 22.8 | 26.5 | 30.3 | 32.1 | 34.1 | 36.1 | 37.1 | 39.1 | 40.7 | 41.3 | 42.2 | 43.3 | 43.4 | 48.1 |
| 20.1 | 23.0 | 26.8 | 30.6 | 32.3 | 34.4 | 36.3 | 37.4 | 39.4 | 40.9 | 41.6 | 42.5 | 43.5 | 43.6 | 48.3 |
| 20.5 | 23.6 | 27.4 | 31.2 | 33.0 | 35.1 | 37.1 | 38.1 | 40.2 | 41.8 | 42.4 | 43.3 | 44.3 | 44.5 | 49.1 |
| 21.4 | 24.6 | 28.4 | 32.3 | 34.0 | 36.1 | 38.2 | 39.2 | 41.4 | 43.1 | 43.7 | 44.6 | 45.6 | 45.7 | 50.5 |
| 22.6 | 25.8 | 30.3 | 34.6 | 36.4 | 38.8 | 40.9 | 42.0 | 44.3 | 46.1 | 46.7 | 47.7 | 48.8 | 48.9 | 53.6 |
| 24.4 | 28.1 | 32.9 | 37.7 | 39.7 | 42.4 | 44.8 | 46.0 | 48.4 | 50.1 | 50.8 | 51.8 | 53.0 | 53.2 | 57.9 |
| 26.2 | 30.2 | 35.3 | 40.6 | 42.6 | 45.6 | 48.1 | 49.3 | 51.8 | 53.6 | 54.3 | 55.3 | 56.6 | 56.7 | 61.7 |
| 27.3 | 31.5 | 36.7 | 42.2 | 44.2 | 47.3 | 49.9 | 51.1 | 53.7 | 55.7 | 56.3 | 57.4 | 58.6 | 58.7 | 63.9 |
| 27.9 | 32.1 | 37.5 | 43.3 | 45.5 | 48.8 | 51.5 | 52.8 | 55.7 | 57.7 | 58.4 | 59.5 | 60.8 | 60.9 | 66.1 |
| 28.4 | 32.9 | 38.5 | 44.3 | 46.5 | 49.8 | 52.4 | 53.8 | 56.7 | 58.7 | 59.4 | 60.5 | 61.8 | 62.0 | 67.1 |
| 29.1 | 33.9 | 39.6 | 45.5 | 47.7 | 51.2 | 53.9 | 55.2 | 58.1 | 60.2 | 61.0 | 62.1 | 63.4 | 63.5 | 68.7 |
| 29.8 | 34.7 | 40.5 | 46.4 | 48.6 | 52.4 | 55.1 | 56.5 | 59.4 | 61.5 | 62.3 | 63.4 | 64.7 | 64.9 | 70.1 |
| 30.7 | 35.8 | 41.6 | 47.6 | 50.0 | 53.7 | 56.4 | 57.8 | 60.8 | 62.8 | 63.6 | 64.7 | 66.0 | 66.2 | 71.4 |
| 32.0 | 37.1 | 42.9 | 49.1 | 51.6 | 55.4 | 58.2 | 59.6 | 62.5 | 64.6 | 65.4 | 66.5 | 67.8 | 68.0 | 73.3 |
| 33.4 | 38.7 | 44.8 | 51.3 | 53.7 | 57.8 | 60.6 | 62.0 | 64.9 | 67.0 | 67.8 | 68.9 | 70.2 | 70.5 | 75.8 |
| 34.1 | 39.6 | 45.9 | 52.6 | 55.0 | 59.1 | 61.9 | 63.3 | 66.2 | 68.3 | 69.1 | 70.2 | 71.6 | 71.8 | 77.1 |
| 36.3 | 41.8 | 48.5 | 55.5 | 58.0 | 62.3 | 65.1 | 66.6 | 69.6 | 71.6 | 72.4 | 73.5 | 75.2 | 75.3 | 80.7 |
| 38.5 | 44.7 | 51.9 | 59.7 | 62.5 | 67.4 | 70.2 | 71.7 | 74.8 | 77.0 | 77.8 | 79.0 | 80.6 | 80.8 | 86.1 |
| 39.3 | 45.7 | 53.2 | 61.2 | 64.2 | 69.2 | 72.1 | 73.7 | 76.9 | 79.0 | 79.8 | 81.0 | 82.6 | 82.8 | 88.2 |
| 39.6 | 46.1 | 53.8 | 61.8 | 64.9 | 69.9 | 73.0 | 74.7 | 77.9 | 80.1 | 80.9 | 82.1 | 83.7 | 83.9 | 89.2 |
| 39.9 | 46.7 | 54.5 | 62.8 | 65.9 | 71.0 | 74.1 | 75.8 | 79.3 | 81.5 | 82.3 | 83.5 | 85.1 | 85.3 | 90.7 |
| 40.3 | 47.1 | 55.2 | 63.6 | 67.0 | 72.4 | 75.6 | 77.5 | 81.1 | 83.4 | 84.1 | 85.4 | 87.0 | 87.2 | 92.6 |
| 40.5 | 47.3 | 55.4 | 64.0 | 67.5 | 73.1 | 76.4 | 78.2 | 81.9 | 84.1 | 84.9 | 86.1 | 87.8 | 88.0 | 93.4 |
| 40.5 | 47.4 | 55.6 | 64.2 | 67.8 | 73.6 | 77.0 | 79.0 | 82.8 | 85.2 | 86.0 | 87.2 | 88.9 | 89.1 | 94.5 |
| 40.5 | 47.4 | 55.8 | 64.5 | 68.0 | 73.8 | 77.3 | 79.3 | 83.2 | 85.7 | 86.5 | 87.7 | 89.4 | 89.6 | 95.1 |
| 40.5 | 47.4 | 55.8 | 64.5 | 68.1 | 73.9 | 77.5 | 79.6 | 83.6 | 86.1 | 87.1 | 88.3 | 90.4 | 90.6 | 96.3 |
| 40.5 | 47.4 | 55.8 | 64.5 | 68.2 | 74.1 | 77.6 | 79.8 | 84.0 | 86.6 | 87.5 | 88.8 | 91.1 | 91.3 | 97.6 |
| 40.5 | 47.4 | 55.8 | 64.5 | 68.2 | 74.2 | 77.7 | 79.9 | 84.0 | 86.7 | 87.7 | 89.1 | 91.4 | 91.6 | 99.0 |
| 40.5 | 47.4 | 55.8 | 64.5 | 68.2 | 74.2 | 77.7 | 79.9 | 84.0 | 86.7 | 87.7 | 89.1 | 91.4 | 91.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1046

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

24056 SEYDACH AB GERMANY

53-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-1100

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 25.5 | 29.2 | 33.1 | 35.8 | 36.6 | 37.5 | 38.3 | 38.7 | 39.0 | 39.1 | 39.1 | 39.2 | 39.2 | 39.2 | 39.2 |
| 30.2 | 34.4 | 39.3 | 43.0 | 43.9 | 45.3 | 46.1 | 46.7 | 47.0 | 47.1 | 47.1 | 47.2 | 47.2 | 47.2 | 47.5 |
| 30.3 | 34.3 | 39.5 | 43.0 | 44.0 | 45.3 | 46.1 | 46.8 | 47.1 | 47.2 | 47.2 | 47.2 | 47.3 | 47.3 | 48.0 |
| 30.3 | 34.6 | 39.6 | 43.1 | 44.1 | 45.4 | 46.2 | 46.9 | 47.2 | 47.2 | 47.2 | 47.3 | 47.3 | 47.3 | 48.1 |
| 30.5 | 34.8 | 40.1 | 43.6 | 44.6 | 45.9 | 46.7 | 47.3 | 47.6 | 47.7 | 47.7 | 47.8 | 47.8 | 47.8 | 48.5 |
| 31.2 | 35.5 | 40.9 | 44.4 | 45.4 | 46.7 | 47.5 | 48.2 | 48.6 | 48.7 | 48.7 | 48.7 | 48.8 | 48.8 | 49.5 |
| 31.7 | 36.1 | 41.5 | 45.2 | 46.2 | 47.6 | 48.4 | 49.1 | 49.5 | 49.6 | 49.6 | 49.6 | 49.7 | 49.7 | 50.4 |
| 33.2 | 37.8 | 43.5 | 47.2 | 48.2 | 49.7 | 50.5 | 51.2 | 51.9 | 51.9 | 51.9 | 52.0 | 52.1 | 52.1 | 52.8 |
| 35.2 | 40.0 | 46.1 | 49.9 | 51.2 | 52.6 | 53.5 | 54.3 | 54.9 | 55.0 | 55.0 | 55.0 | 55.1 | 55.1 | 55.8 |
| 37.0 | 42.2 | 48.6 | 52.5 | 54.0 | 55.5 | 56.5 | 57.2 | 57.9 | 58.0 | 58.1 | 58.2 | 58.2 | 58.2 | 59.0 |
| 38.4 | 43.8 | 50.2 | 54.5 | 56.1 | 57.6 | 58.5 | 59.4 | 60.1 | 60.2 | 60.3 | 60.4 | 60.5 | 60.5 | 61.3 |
| 39.8 | 45.3 | 52.2 | 56.7 | 58.2 | 59.9 | 60.9 | 61.9 | 62.7 | 62.8 | 62.9 | 63.0 | 63.1 | 63.1 | 63.9 |
| 40.4 | 46.1 | 53.0 | 57.7 | 59.3 | 61.0 | 61.9 | 62.9 | 63.7 | 63.9 | 63.9 | 64.0 | 64.1 | 64.2 | 64.9 |
| 40.9 | 46.7 | 53.9 | 58.8 | 60.4 | 62.2 | 63.1 | 64.1 | 65.1 | 65.2 | 65.3 | 65.4 | 65.5 | 65.6 | 66.3 |
| 41.8 | 47.8 | 55.3 | 60.4 | 61.9 | 63.7 | 64.7 | 65.7 | 66.7 | 66.9 | 66.9 | 67.1 | 67.1 | 67.2 | 67.9 |
| 43.7 | 49.9 | 57.6 | 62.9 | 64.5 | 66.3 | 67.3 | 68.3 | 69.3 | 69.5 | 69.6 | 69.7 | 69.7 | 69.8 | 70.5 |
| 46.1 | 52.6 | 60.4 | 65.9 | 67.5 | 69.4 | 70.4 | 71.4 | 72.4 | 72.6 | 72.6 | 72.8 | 72.8 | 72.9 | 73.6 |
| 48.8 | 56.0 | 64.3 | 70.0 | 71.7 | 73.9 | 74.9 | 75.9 | 77.0 | 77.2 | 77.3 | 77.4 | 77.5 | 77.5 | 78.2 |
| 50.1 | 57.3 | 65.8 | 71.5 | 73.2 | 75.4 | 76.4 | 77.4 | 78.5 | 78.8 | 78.8 | 78.9 | 79.0 | 79.1 | 79.8 |
| 53.6 | 60.9 | 69.6 | 75.9 | 77.6 | 79.8 | 80.8 | 81.8 | 82.9 | 83.2 | 83.2 | 83.4 | 83.4 | 83.5 | 84.2 |
| 56.2 | 64.0 | 73.4 | 80.2 | 82.6 | 84.9 | 85.9 | 86.9 | 88.0 | 88.3 | 88.3 | 88.4 | 88.5 | 88.6 | 89.3 |
| 57.1 | 65.4 | 75.4 | 82.5 | 85.1 | 87.7 | 88.7 | 89.8 | 91.0 | 91.2 | 91.3 | 91.4 | 91.5 | 91.5 | 92.2 |
| 57.5 | 66.0 | 76.2 | 83.6 | 86.3 | 89.0 | 90.1 | 91.1 | 92.4 | 92.7 | 92.7 | 92.9 | 92.9 | 93.0 | 93.7 |
| 57.8 | 66.4 | 77.0 | 84.6 | 87.4 | 90.4 | 91.5 | 92.5 | 93.8 | 94.1 | 94.1 | 94.2 | 94.3 | 94.4 | 95.1 |
| 57.9 | 66.6 | 77.2 | 84.9 | 87.9 | 90.9 | 92.0 | 93.0 | 94.4 | 94.6 | 94.7 | 94.8 | 94.9 | 95.0 | 95.7 |
| 57.9 | 66.6 | 77.3 | 85.3 | 88.4 | 91.4 | 92.6 | 93.6 | 95.0 | 95.2 | 95.3 | 95.4 | 95.5 | 95.5 | 96.2 |
| 57.9 | 66.6 | 77.4 | 85.5 | 88.7 | 91.8 | 93.2 | 94.2 | 95.8 | 96.0 | 96.1 | 96.2 | 96.3 | 96.3 | 97.0 |
| 57.9 | 66.6 | 77.4 | 85.6 | 88.8 | 92.1 | 93.6 | 94.7 | 96.2 | 96.7 | 96.7 | 96.9 | 97.0 | 97.0 | 97.7 |
| 57.9 | 66.6 | 77.4 | 85.7 | 88.9 | 92.3 | 93.9 | 95.0 | 96.6 | 97.5 | 97.6 | 97.8 | 97.9 | 98.0 | 98.7 |
| 57.9 | 66.6 | 77.4 | 85.7 | 88.9 | 92.3 | 94.0 | 95.1 | 97.0 | 97.6 | 97.8 | 98.1 | 98.2 | 98.3 | 99.0 |
| 57.9 | 66.6 | 77.4 | 85.7 | 88.9 | 92.3 | 94.0 | 95.1 | 97.0 | 97.6 | 97.8 | 98.1 | 98.4 | 98.4 | 99.1 |
| 57.9 | 66.6 | 77.4 | 85.7 | 88.9 | 92.3 | 94.0 | 95.1 | 97.0 | 97.6 | 97.8 | 98.1 | 98.4 | 98.4 | 99.1 |

TOTAL NUMBER OF OBSERVATIONS

1652

USAF ETAC DATA SOURCE: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34036 SEMBACH AB GERMANY

53-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

| | | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 31.5 | 34.2 | 36.6 | 37.7 | 37.8 | 37.9 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 |
| 38.2 | 41.7 | 44.9 | 46.1 | 46.3 | 46.4 | 46.5 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 |
| 38.4 | 41.8 | 45.1 | 46.3 | 46.4 | 46.6 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 |
| 38.9 | 42.3 | 45.6 | 46.8 | 46.9 | 47.1 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 |
| 39.8 | 43.5 | 46.9 | 48.0 | 48.2 | 48.4 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 |
| 41.4 | 45.2 | 48.6 | 49.8 | 50.0 | 50.3 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| 43.2 | 47.1 | 50.8 | 52.0 | 52.2 | 52.5 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| 45.8 | 49.7 | 53.4 | 54.7 | 54.9 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| 48.2 | 52.2 | 55.8 | 57.1 | 57.3 | 57.6 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| 50.1 | 54.1 | 58.0 | 59.4 | 59.6 | 59.9 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| 51.8 | 55.9 | 60.0 | 61.4 | 61.7 | 62.0 | 62.1 | 62.1 | 62.1 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 53.2 | 57.4 | 61.7 | 63.1 | 63.4 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| 55.3 | 59.9 | 64.3 | 65.8 | 66.1 | 66.4 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| 58.0 | 63.0 | 67.5 | 69.1 | 69.4 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| 62.3 | 67.9 | 72.7 | 74.4 | 74.7 | 75.0 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| 67.9 | 73.8 | 79.1 | 81.2 | 81.5 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| 72.4 | 78.7 | 84.5 | 86.8 | 87.1 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 73.3 | 79.8 | 85.8 | 88.3 | 88.8 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 75.2 | 81.8 | 87.9 | 91.0 | 91.4 | 91.7 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| 76.3 | 83.1 | 89.6 | 93.3 | 93.7 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| 76.9 | 84.2 | 91.1 | 95.0 | 95.4 | 95.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 77.1 | 84.4 | 91.4 | 95.4 | 95.9 | 96.4 | 96.7 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| 77.4 | 84.6 | 91.8 | 96.0 | 96.5 | 97.1 | 97.5 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 77.4 | 84.7 | 92.0 | 96.2 | 96.9 | 97.7 | 98.2 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 77.4 | 84.7 | 92.0 | 96.7 | 97.4 | 98.4 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 77.4 | 84.8 | 92.2 | 96.8 | 97.6 | 98.5 | 99.0 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 77.4 | 84.8 | 92.2 | 96.9 | 97.6 | 98.7 | 99.3 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 77.4 | 84.8 | 92.2 | 96.9 | 97.7 | 98.8 | 99.4 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 77.4 | 84.8 | 92.2 | 96.9 | 97.7 | 98.8 | 99.4 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 77.4 | 84.8 | 92.2 | 96.9 | 97.7 | 98.8 | 99.4 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1647

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

32-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

| | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 34.7 | 37.5 | 39.5 | 40.0 | 40.0 | 40.3 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 |
| 43.8 | 47.8 | 50.2 | 50.9 | 51.0 | 51.3 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| 49.8 | 47.8 | 50.3 | 51.0 | 51.1 | 51.4 | 51.4 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| 44.2 | 48.2 | 50.6 | 51.4 | 51.4 | 51.7 | 51.8 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| 44.9 | 48.9 | 51.4 | 52.1 | 52.2 | 52.5 | 52.5 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| 46.3 | 50.3 | 52.7 | 53.4 | 53.5 | 53.8 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| 48.4 | 52.6 | 55.1 | 55.9 | 55.9 | 56.2 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| 50.0 | 54.4 | 57.1 | 58.0 | 58.1 | 58.5 | 58.5 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| 53.4 | 57.9 | 60.8 | 61.6 | 61.7 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 57.6 | 62.1 | 65.0 | 66.0 | 66.2 | 66.5 | 66.6 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| 60.5 | 65.5 | 68.8 | 69.8 | 69.9 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| 64.0 | 69.3 | 72.7 | 73.8 | 74.1 | 74.4 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| 65.7 | 71.4 | 74.7 | 76.0 | 76.3 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 68.7 | 74.8 | 78.3 | 79.3 | 79.8 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| 71.4 | 77.7 | 81.3 | 82.6 | 82.9 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| 74.1 | 80.8 | 84.3 | 85.9 | 86.2 | 86.5 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 76.8 | 83.7 | 87.4 | 88.9 | 89.2 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| 78.3 | 85.3 | 89.5 | 91.0 | 91.3 | 91.8 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| 79.1 | 86.0 | 90.5 | 91.9 | 92.3 | 92.8 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| 80.4 | 87.4 | 92.2 | 94.0 | 94.4 | 94.8 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 81.3 | 88.3 | 93.6 | 95.4 | 95.7 | 96.2 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| 81.8 | 89.1 | 94.3 | 96.1 | 96.5 | 97.1 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 82.0 | 89.4 | 94.8 | 96.6 | 97.1 | 97.7 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 82.1 | 89.6 | 95.2 | 97.1 | 97.7 | 98.2 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 82.1 | 89.6 | 95.3 | 97.2 | 97.8 | 98.3 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| 82.1 | 89.6 | 95.4 | 97.4 | 98.1 | 98.7 | 99.0 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 82.1 | 89.6 | 95.4 | 97.4 | 98.1 | 98.8 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 82.1 | 89.6 | 95.4 | 97.4 | 98.2 | 98.9 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 82.1 | 89.6 | 95.4 | 97.4 | 98.2 | 98.9 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 82.1 | 89.6 | 95.4 | 97.4 | 98.2 | 98.9 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 82.1 | 89.6 | 95.4 | 97.4 | 98.2 | 98.9 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 82.1 | 89.6 | 95.4 | 97.4 | 98.2 | 98.9 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS

1647

1

SEP

1430-200C

1445

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

94050 SEMBACH AB GERMANY

53-68,71

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

| | | | | | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1000 | 36.9 | 41.8 | 48.9 | 49.7 | 51.4 | 53.1 | 56.1 | 54.4 | 54.7 | 55.0 | 55.1 | 55.2 | 55.5 | 55.5 | 55.8 |
| 900 | 40.6 | 45.9 | 50.3 | 54.7 | 56.7 | 58.8 | 59.7 | 60.1 | 60.4 | 60.7 | 60.8 | 60.9 | 61.1 | 61.1 | 61.5 |
| 800 | 40.7 | 45.9 | 50.4 | 54.8 | 56.8 | 58.9 | 59.9 | 60.2 | 60.5 | 60.8 | 60.9 | 61.0 | 61.3 | 61.3 | 61.6 |
| 700 | 40.7 | 45.9 | 50.4 | 54.8 | 56.8 | 58.9 | 59.9 | 60.2 | 60.5 | 60.8 | 60.9 | 61.0 | 61.2 | 61.2 | 61.6 |
| 600 | 41.2 | 46.6 | 51.1 | 55.5 | 57.5 | 59.7 | 60.8 | 61.1 | 61.4 | 61.7 | 61.8 | 61.9 | 62.2 | 62.2 | 62.5 |
| 500 | 42.2 | 47.9 | 52.5 | 56.9 | 59.0 | 61.3 | 62.3 | 62.6 | 62.9 | 63.3 | 63.3 | 63.5 | 63.7 | 63.7 | 64.0 |
| 400 | 43.9 | 49.9 | 54.6 | 59.1 | 61.2 | 63.6 | 64.8 | 65.2 | 65.5 | 65.8 | 65.9 | 66.0 | 66.2 | 66.2 | 66.6 |
| 300 | 46.2 | 52.6 | 57.3 | 61.9 | 64.1 | 66.7 | 68.0 | 68.4 | 68.6 | 69.1 | 69.1 | 69.3 | 69.5 | 69.5 | 69.9 |
| 200 | 49.0 | 55.7 | 60.8 | 65.7 | 68.0 | 70.7 | 72.0 | 72.4 | 72.7 | 73.1 | 73.1 | 73.3 | 73.5 | 73.5 | 73.9 |
| 100 | 52.2 | 59.1 | 64.8 | 69.9 | 72.2 | 74.9 | 76.2 | 76.7 | 77.1 | 77.5 | 77.6 | 77.8 | 78.0 | 78.0 | 78.3 |
| 50 | 54.8 | 61.7 | 67.7 | 72.9 | 75.2 | 78.0 | 79.3 | 79.8 | 80.2 | 80.6 | 80.7 | 80.9 | 81.1 | 81.1 | 81.4 |
| 25 | 56.6 | 63.9 | 70.3 | 75.7 | 78.0 | 80.7 | 82.0 | 82.5 | 82.9 | 83.4 | 83.4 | 83.6 | 83.8 | 83.8 | 84.2 |
| 12.5 | 57.5 | 65.0 | 71.7 | 77.1 | 79.8 | 82.3 | 83.6 | 84.1 | 84.5 | 84.9 | 85.0 | 85.2 | 85.4 | 85.4 | 85.8 |
| 6.25 | 58.4 | 66.0 | 72.8 | 78.3 | 80.7 | 83.3 | 84.8 | 85.4 | 85.8 | 86.2 | 86.3 | 86.5 | 86.7 | 86.7 | 87.0 |
| 3.125 | 59.7 | 67.3 | 74.2 | 80.1 | 82.6 | 85.4 | 86.7 | 87.3 | 87.7 | 88.1 | 88.2 | 88.4 | 88.6 | 88.6 | 89.0 |
| 1.562 | 61.0 | 68.9 | 75.7 | 81.8 | 84.3 | 87.1 | 88.4 | 89.0 | 89.4 | 89.8 | 89.8 | 90.1 | 90.3 | 90.3 | 90.6 |
| 0.781 | 62.1 | 70.1 | 77.0 | 83.1 | 85.7 | 88.3 | 89.8 | 90.4 | 90.8 | 91.2 | 91.3 | 91.5 | 91.7 | 91.7 | 92.1 |
| 0.391 | 62.6 | 70.9 | 78.2 | 84.5 | 87.2 | 90.1 | 91.4 | 91.9 | 92.3 | 92.7 | 92.8 | 93.0 | 93.2 | 93.2 | 93.6 |
| 0.195 | 62.8 | 71.1 | 78.5 | 84.9 | 87.6 | 90.5 | 91.9 | 92.5 | 92.9 | 93.3 | 93.4 | 93.6 | 93.8 | 93.8 | 94.2 |
| 0.098 | 63.2 | 71.8 | 79.4 | 85.8 | 88.5 | 91.4 | 92.8 | 93.4 | 93.8 | 94.2 | 94.3 | 94.5 | 94.7 | 94.7 | 95.1 |
| 0.049 | 63.7 | 72.6 | 80.2 | 87.0 | 89.7 | 92.8 | 94.2 | 94.8 | 95.2 | 95.6 | 95.7 | 95.9 | 96.1 | 96.1 | 96.6 |
| 0.025 | 63.8 | 72.9 | 80.7 | 87.6 | 90.3 | 93.6 | 95.0 | 95.6 | 96.0 | 96.4 | 96.5 | 96.7 | 96.9 | 96.9 | 97.4 |
| 0.012 | 64.0 | 73.1 | 81.1 | 88.1 | 90.9 | 94.1 | 95.5 | 96.1 | 96.5 | 97.0 | 97.0 | 97.2 | 97.4 | 97.4 | 97.9 |
| 0.006 | 64.0 | 73.3 | 81.2 | 88.4 | 91.2 | 94.3 | 95.9 | 96.5 | 96.9 | 97.3 | 97.4 | 97.6 | 97.8 | 97.8 | 98.3 |
| 0.003 | 64.1 | 73.4 | 81.4 | 88.5 | 91.4 | 94.7 | 96.1 | 96.7 | 97.1 | 97.5 | 97.6 | 97.8 | 98.0 | 98.0 | 98.5 |
| 0.001 | 64.1 | 73.4 | 81.4 | 88.6 | 91.6 | 95.0 | 96.3 | 97.0 | 97.4 | 97.8 | 97.9 | 98.1 | 98.3 | 98.3 | 98.8 |
| 0.000 | 64.1 | 73.4 | 81.4 | 88.6 | 91.9 | 95.3 | 96.8 | 97.4 | 97.9 | 98.3 | 98.3 | 98.5 | 98.8 | 98.8 | 99.3 |
| 0.000 | 64.1 | 73.4 | 81.4 | 88.6 | 91.9 | 95.3 | 97.0 | 97.7 | 98.1 | 98.5 | 98.6 | 98.8 | 99.1 | 99.1 | 99.6 |
| 0.000 | 64.1 | 73.4 | 81.4 | 88.6 | 91.9 | 95.3 | 97.0 | 97.7 | 98.2 | 98.6 | 98.7 | 98.9 | 99.2 | 99.2 | 99.7 |
| 0.000 | 64.1 | 73.4 | 81.4 | 88.6 | 91.9 | 95.3 | 97.0 | 97.7 | 98.2 | 98.7 | 98.8 | 99.0 | 99.3 | 99.3 | 99.9 |
| 0.000 | 64.1 | 73.4 | 81.4 | 88.6 | 91.9 | 95.3 | 97.0 | 97.7 | 98.2 | 98.7 | 98.8 | 99.0 | 99.3 | 99.3 | 100.0 |
| 0.000 | 64.1 | 73.4 | 81.4 | 88.6 | 91.9 | 95.3 | 97.0 | 97.7 | 98.2 | 98.7 | 98.8 | 99.0 | 99.3 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

3448

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

33-67,71-72

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 16.9 | 20.7 | 24.8 | 29.9 | 35.2 | 38.9 | 37.6 | 38.9 | 41.0 | 42.0 | 42.5 | 43.4 | 44.7 | 44.7 | 49.0 |
| 17.6 | 21.6 | 26.1 | 31.3 | 34.8 | 37.8 | 39.5 | 40.8 | 43.0 | 44.1 | 44.6 | 45.5 | 46.7 | 46.7 | 51.0 |
| 17.6 | 21.6 | 26.1 | 31.3 | 34.8 | 37.8 | 39.5 | 40.8 | 43.0 | 44.1 | 44.6 | 45.5 | 46.7 | 46.7 | 51.0 |
| 17.6 | 21.6 | 26.1 | 31.3 | 34.8 | 37.8 | 39.5 | 40.8 | 43.0 | 44.1 | 44.6 | 45.5 | 46.7 | 46.7 | 51.0 |
| 17.6 | 21.6 | 26.1 | 31.3 | 34.8 | 37.8 | 39.5 | 40.8 | 43.0 | 44.1 | 44.6 | 45.5 | 46.7 | 46.7 | 51.0 |
| 18.3 | 22.3 | 26.8 | 32.3 | 35.7 | 39.0 | 40.7 | 42.0 | 44.2 | 45.2 | 45.7 | 46.8 | 48.1 | 48.1 | 52.4 |
| 19.3 | 23.8 | 28.5 | 34.2 | 37.8 | 41.4 | 43.1 | 44.3 | 46.7 | 47.7 | 48.2 | 49.3 | 50.5 | 50.5 | 55.0 |
| 19.7 | 24.1 | 29.4 | 35.4 | 39.1 | 42.7 | 44.3 | 45.6 | 48.0 | 49.1 | 49.5 | 50.6 | 51.9 | 51.9 | 56.4 |
| 20.7 | 25.1 | 30.6 | 36.6 | 40.3 | 43.9 | 45.7 | 47.0 | 49.4 | 50.3 | 50.9 | 52.0 | 53.3 | 53.3 | 57.8 |
| 23.3 | 28.0 | 33.8 | 40.0 | 43.7 | 47.4 | 49.2 | 50.5 | 52.9 | 54.0 | 54.5 | 55.5 | 56.8 | 56.8 | 61.4 |
| 25.0 | 29.7 | 35.6 | 42.1 | 45.8 | 49.5 | 51.6 | 52.9 | 55.3 | 56.4 | 56.9 | 57.9 | 59.2 | 59.2 | 63.9 |
| 26.6 | 31.4 | 37.6 | 44.3 | 48.1 | 52.2 | 54.1 | 55.4 | 58.1 | 59.2 | 59.8 | 60.9 | 62.2 | 62.2 | 67.0 |
| 27.7 | 32.7 | 39.3 | 46.1 | 50.0 | 54.4 | 56.3 | 57.7 | 60.4 | 61.6 | 62.1 | 63.1 | 64.4 | 64.4 | 69.2 |
| 29.0 | 34.0 | 41.7 | 48.7 | 52.6 | 57.1 | 59.0 | 60.5 | 63.2 | 64.4 | 64.9 | 65.9 | 67.2 | 67.2 | 72.0 |
| 29.7 | 35.7 | 42.8 | 49.8 | 53.8 | 58.3 | 60.8 | 62.1 | 64.8 | 66.0 | 66.5 | 67.5 | 68.9 | 68.9 | 73.6 |
| 30.9 | 37.2 | 44.5 | 51.7 | 55.8 | 60.9 | 63.0 | 64.4 | 67.1 | 68.4 | 68.9 | 70.0 | 71.3 | 71.3 | 76.2 |
| 32.0 | 38.4 | 46.0 | 53.4 | 57.7 | 62.9 | 64.9 | 66.4 | 69.1 | 70.4 | 70.9 | 72.0 | 73.4 | 73.4 | 78.3 |
| 32.5 | 39.1 | 47.1 | 54.7 | 59.2 | 64.6 | 66.6 | 68.1 | 70.8 | 72.2 | 72.8 | 73.9 | 75.2 | 75.2 | 80.2 |
| 32.7 | 39.6 | 47.7 | 55.4 | 60.1 | 65.5 | 67.7 | 69.1 | 71.9 | 73.4 | 73.9 | 74.9 | 76.4 | 76.4 | 81.2 |
| 33.2 | 40.1 | 48.4 | 56.4 | 61.1 | 66.8 | 68.9 | 70.4 | 73.2 | 74.8 | 75.3 | 76.5 | 77.9 | 77.9 | 82.8 |
| 34.0 | 41.2 | 50.2 | 58.7 | 63.8 | 69.6 | 71.9 | 73.4 | 76.4 | 77.9 | 78.4 | 79.6 | 81.1 | 81.1 | 85.9 |
| 34.8 | 42.4 | 51.9 | 61.1 | 66.0 | 72.3 | 74.6 | 76.0 | 79.1 | 80.7 | 81.2 | 82.4 | 83.9 | 83.9 | 88.8 |
| 34.8 | 42.8 | 52.4 | 61.8 | 66.6 | 72.9 | 75.3 | 76.8 | 79.8 | 81.4 | 81.9 | 83.2 | 84.7 | 84.7 | 89.5 |
| 34.9 | 42.8 | 52.8 | 62.3 | 67.2 | 74.2 | 76.7 | 78.1 | 81.2 | 82.9 | 83.3 | 84.7 | 86.2 | 86.2 | 91.0 |
| 34.9 | 43.1 | 53.3 | 63.0 | 68.1 | 75.1 | 77.6 | 79.1 | 82.2 | 83.8 | 84.3 | 85.7 | 87.1 | 87.1 | 92.0 |
| 34.9 | 43.2 | 53.5 | 63.2 | 68.3 | 75.2 | 77.8 | 79.2 | 82.3 | 83.9 | 84.4 | 85.8 | 87.3 | 87.3 | 92.1 |
| 35.0 | 43.4 | 53.9 | 63.7 | 69.0 | 75.0 | 77.6 | 79.0 | 82.1 | 83.7 | 84.2 | 85.6 | 87.1 | 87.1 | 92.2 |
| 35.0 | 43.4 | 54.0 | 63.9 | 69.2 | 75.4 | 78.0 | 79.4 | 82.5 | 84.1 | 84.6 | 86.0 | 87.5 | 87.5 | 92.7 |
| 35.0 | 43.4 | 54.1 | 64.1 | 70.0 | 75.7 | 78.3 | 79.7 | 82.8 | 84.4 | 84.9 | 86.3 | 87.8 | 87.8 | 93.0 |
| 35.0 | 43.4 | 54.1 | 64.1 | 70.0 | 75.7 | 78.3 | 79.7 | 82.8 | 84.4 | 84.9 | 86.3 | 87.8 | 87.8 | 93.0 |
| 35.0 | 43.4 | 54.1 | 64.1 | 70.0 | 75.7 | 78.3 | 79.7 | 82.8 | 84.4 | 84.9 | 86.3 | 87.8 | 87.8 | 93.0 |
| 35.0 | 43.4 | 54.1 | 64.1 | 70.0 | 75.7 | 78.3 | 79.7 | 82.8 | 84.4 | 84.9 | 86.3 | 87.8 | 87.8 | 93.0 |

TOTAL NUMBER OF OBSERVATIONS

1423

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

CQT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 14.0 | 17.0 | 21.1 | 25.8 | 28.1 | 30.7 | 32.5 | 33.7 | 35.8 | 37.1 | 37.4 | 38.1 | 40.5 | 40.7 | 46.2 |
| 15.4 | 18.5 | 22.8 | 27.6 | 30.1 | 32.7 | 34.4 | 35.7 | 37.8 | 39.1 | 39.3 | 40.1 | 42.5 | 42.6 | 48.2 |
| 15.4 | 18.6 | 22.9 | 27.7 | 30.1 | 32.8 | 34.5 | 35.8 | 37.9 | 39.1 | 39.4 | 40.1 | 42.6 | 42.7 | 48.3 |
| 15.4 | 18.6 | 22.9 | 27.7 | 30.1 | 32.8 | 34.5 | 35.8 | 37.9 | 39.1 | 39.4 | 40.1 | 42.6 | 42.7 | 48.3 |
| 15.4 | 18.7 | 23.0 | 27.7 | 30.2 | 32.8 | 34.6 | 35.8 | 37.9 | 39.2 | 39.5 | 40.2 | 42.6 | 42.8 | 48.4 |
| 15.7 | 18.9 | 23.3 | 28.1 | 30.5 | 33.4 | 35.2 | 36.5 | 38.6 | 39.9 | 40.1 | 40.9 | 43.2 | 43.4 | 49.2 |
| 16.0 | 19.3 | 23.7 | 28.6 | 31.1 | 34.2 | 36.0 | 37.3 | 39.4 | 40.7 | 40.9 | 41.7 | 44.1 | 44.2 | 50.0 |
| 16.0 | 19.3 | 24.2 | 29.3 | 32.0 | 33.8 | 37.0 | 38.3 | 40.3 | 41.7 | 42.0 | 42.7 | 45.2 | 45.3 | 51.1 |
| 16.4 | 20.0 | 25.1 | 30.3 | 33.2 | 36.3 | 38.3 | 39.6 | 41.7 | 43.0 | 43.2 | 44.0 | 46.3 | 46.6 | 52.4 |
| 17.9 | 22.0 | 27.3 | 32.8 | 35.7 | 39.2 | 41.1 | 42.4 | 44.5 | 45.8 | 46.0 | 46.8 | 49.3 | 49.4 | 55.2 |
| 19.2 | 23.3 | 28.9 | 34.3 | 37.8 | 41.0 | 42.8 | 44.2 | 46.4 | 47.7 | 48.0 | 48.8 | 51.3 | 51.4 | 57.2 |
| 20.7 | 25.1 | 30.7 | 36.6 | 39.7 | 43.4 | 45.2 | 46.8 | 48.9 | 50.3 | 50.6 | 51.3 | 53.9 | 54.1 | 59.9 |
| 20.9 | 25.3 | 30.9 | 36.8 | 39.9 | 43.8 | 45.8 | 47.3 | 49.4 | 50.9 | 51.1 | 52.0 | 54.4 | 54.6 | 60.3 |
| 22.0 | 26.8 | 32.3 | 38.3 | 41.6 | 46.0 | 47.9 | 49.3 | 51.7 | 53.1 | 53.4 | 54.2 | 56.8 | 57.0 | 62.8 |
| 22.8 | 28.0 | 34.0 | 40.8 | 43.7 | 48.2 | 50.3 | 51.9 | 54.0 | 55.5 | 55.8 | 56.6 | 59.1 | 59.3 | 65.2 |
| 23.6 | 29.2 | 35.6 | 42.3 | 45.6 | 50.3 | 52.3 | 54.1 | 56.2 | 57.8 | 58.1 | 58.9 | 61.5 | 61.7 | 67.5 |
| 24.4 | 30.3 | 36.8 | 43.7 | 47.2 | 52.2 | 54.3 | 56.0 | 58.1 | 59.8 | 60.1 | 60.9 | 63.4 | 63.6 | 69.3 |
| 25.8 | 32.3 | 39.3 | 46.2 | 50.1 | 55.6 | 57.7 | 59.6 | 61.8 | 63.4 | 63.7 | 64.6 | 67.1 | 67.3 | 73.1 |
| 26.2 | 32.6 | 39.8 | 47.3 | 51.3 | 57.0 | 59.2 | 61.1 | 63.2 | 64.9 | 65.2 | 66.0 | 68.5 | 68.7 | 74.5 |
| 27.2 | 33.8 | 41.2 | 49.0 | 53.2 | 59.2 | 61.5 | 63.4 | 65.6 | 67.4 | 67.6 | 68.3 | 71.2 | 71.4 | 77.3 |
| 28.4 | 36.0 | 43.8 | 52.4 | 57.0 | 63.2 | 65.3 | 67.3 | 69.9 | 71.7 | 71.9 | 72.8 | 75.6 | 75.8 | 81.7 |
| 29.3 | 37.4 | 45.6 | 54.4 | 59.2 | 65.6 | 67.9 | 69.9 | 72.3 | 74.2 | 74.4 | 75.4 | 78.1 | 78.3 | 84.2 |
| 29.6 | 37.6 | 46.0 | 54.9 | 59.7 | 66.2 | 68.5 | 70.3 | 72.9 | 74.8 | 75.0 | 76.0 | 78.7 | 78.9 | 84.8 |
| 29.9 | 38.3 | 47.2 | 56.2 | 61.3 | 67.9 | 70.3 | 72.6 | 75.0 | 76.9 | 77.2 | 78.1 | 80.8 | 81.0 | 86.9 |
| 30.0 | 38.7 | 47.9 | 57.0 | 62.1 | 68.8 | 71.4 | 73.4 | 75.9 | 77.8 | 78.1 | 79.0 | 81.7 | 81.9 | 87.8 |
| 30.2 | 38.9 | 48.3 | 57.8 | 62.6 | 69.6 | 72.3 | 74.6 | 77.0 | 78.9 | 79.2 | 80.1 | 82.8 | 83.1 | 89.0 |
| 30.2 | 38.9 | 48.3 | 57.8 | 63.0 | 70.4 | 73.1 | 75.3 | 77.9 | 79.8 | 80.1 | 81.0 | 83.7 | 84.0 | 90.0 |
| 30.2 | 39.0 | 48.3 | 57.9 | 63.3 | 70.7 | 73.3 | 75.7 | 78.3 | 80.2 | 80.3 | 81.3 | 84.2 | 84.6 | 90.7 |
| 30.2 | 39.0 | 48.3 | 57.9 | 63.4 | 71.3 | 74.1 | 76.4 | 79.1 | 81.1 | 81.3 | 82.6 | 85.4 | 85.8 | 92.4 |
| 30.2 | 39.0 | 48.3 | 57.9 | 63.4 | 71.3 | 74.2 | 76.7 | 79.3 | 81.3 | 81.3 | 82.3 | 85.6 | 86.0 | 93.1 |
| 30.2 | 39.0 | 48.3 | 57.9 | 63.4 | 71.3 | 74.3 | 76.8 | 79.6 | 81.9 | 82.3 | 84.0 | 87.2 | 87.6 | 97.8 |
| 30.2 | 39.0 | 48.3 | 57.9 | 63.4 | 71.3 | 74.3 | 76.8 | 79.6 | 81.9 | 82.3 | 84.0 | 87.3 | 87.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1510

CEILING VERSUS VISIBILITY

53-72

267

3400-0800

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|--------|------|------|------|------|------|------|------|------|
| 10.0 | 11.0 | 13.4 | 16.2 | 18.1 | 20.2 | 21.4 | 21.7 | 22.9 | 23.9 | 24.2 | 24.5 | 25.5 | 25.7 | 31.0 |
| 12.2 | 13.9 | 16.1 | 19.1 | 21.1 | 23.2 | 24.6 | 25.1 | 26.3 | 27.4 | 27.7 | 28.0 | 29.2 | 29.4 | 36.1 |
| 12.2 | 13.9 | 16.1 | 19.1 | 21.1 | 23.2 | 24.6 | 25.1 | 26.3 | 27.4 | 27.7 | 28.0 | 29.2 | 29.4 | 36.1 |
| 12.2 | 13.9 | 16.1 | 19.1 | 21.1 | 23.2 | 24.6 | 25.1 | 26.3 | 27.4 | 27.7 | 28.0 | 29.2 | 29.4 | 36.1 |
| 12.4 | 14.1 | 16.4 | 19.4 | 21.4 | 23.5 | 24.9 | 25.4 | 26.6 | 27.7 | 28.0 | 28.3 | 29.5 | 29.7 | 36.4 |
| 13.0 | 14.6 | 17.2 | 20.3 | 22.3 | 24.6 | 26.0 | 26.5 | 27.8 | 29.0 | 29.3 | 29.6 | 30.8 | 31.0 | 37.5 |
| 13.1 | 14.9 | 17.5 | 20.7 | 22.7 | 25.0 | 26.7 | 27.4 | 28.7 | 29.9 | 30.2 | 30.5 | 31.8 | 32.0 | 38.8 |
| 13.6 | 15.4 | 18.0 | 21.2 | 23.3 | 25.7 | 27.4 | 28.1 | 29.5 | 30.6 | 31.1 | 31.4 | 32.7 | 32.9 | 39.7 |
| 14.3 | 16.4 | 19.1 | 22.6 | 24.9 | 27.2 | 29.0 | 29.7 | 31.1 | 32.4 | 32.8 | 33.3 | 34.7 | 34.9 | 41.8 |
| 15.7 | 17.8 | 20.8 | 24.7 | 26.8 | 29.4 | 31.2 | 31.9 | 33.3 | 34.6 | 35.2 | 35.7 | 37.1 | 37.3 | 44.4 |
| 16.8 | 19.0 | 22.3 | 26.5 | 28.7 | 31.4 | 33.2 | 34.0 | 35.4 | 36.8 | 37.3 | 37.8 | 39.2 | 39.4 | 46.6 |
| 18.3 | 20.7 | 24.2 | 28.6 | 30.9 | 33.7 | 35.7 | 36.6 | 38.1 | 39.5 | 40.1 | 40.6 | 42.1 | 42.2 | 49.5 |
| 18.3 | 21.1 | 24.8 | 29.2 | 31.7 | 34.5 | 36.5 | 37.3 | 38.9 | 40.4 | 41.0 | 41.5 | 43.0 | 43.1 | 50.4 |
| 19.3 | 22.4 | 26.3 | 30.8 | 33.3 | 36.3 | 38.4 | 39.3 | 40.7 | 42.4 | 42.9 | 43.4 | 44.9 | 45.0 | 52.4 |
| 20.3 | 23.4 | 27.5 | 32.6 | 35.3 | 38.2 | 40.4 | 41.3 | 42.8 | 44.5 | 45.0 | 45.5 | 47.0 | 47.2 | 54.6 |
| 21.6 | 24.9 | 29.7 | 34.6 | 37.5 | 40.6 | 42.8 | 44.1 | 45.6 | 47.4 | 48.1 | 48.6 | 50.2 | 50.4 | 57.6 |
| 22.6 | 26.0 | 30.8 | 36.1 | 38.9 | 42.6 | 44.9 | 45.9 | 47.6 | 49.6 | 50.1 | 50.6 | 52.2 | 52.3 | 59.8 |
| 23.8 | 27.9 | 33.3 | 38.8 | 41.7 | 45.7 | 48.2 | 49.4 | 51.1 | 53.2 | 53.8 | 54.3 | 56.0 | 56.2 | 63.7 |
| 24.4 | 28.4 | 34.2 | 39.7 | 42.7 | 46.8 | 49.4 | 50.6 | 52.4 | 54.5 | 55.1 | 55.6 | 57.3 | 57.5 | 65.1 |
| 25.4 | 29.7 | 35.7 | 41.8 | 45.0 | 49.3 | 52.0 | 53.2 | 55.1 | 57.3 | 57.9 | 58.4 | 60.1 | 60.3 | 67.9 |
| 26.8 | 31.8 | 38.0 | 43.1 | 46.3 | 50.5 | 53.0 | 54.2 | 56.2 | 58.5 | 59.1 | 59.6 | 61.3 | 61.5 | 72.5 |
| 27.4 | 32.6 | 39.7 | 44.1 | 47.3 | 51.5 | 54.0 | 55.2 | 57.2 | 59.5 | 60.1 | 60.6 | 62.3 | 62.5 | 75.4 |
| 27.8 | 33.2 | 40.6 | 45.3 | 48.5 | 52.5 | 55.0 | 56.2 | 58.2 | 60.5 | 61.1 | 61.6 | 63.3 | 63.5 | 77.2 |
| 28.4 | 33.9 | 42.0 | 46.2 | 49.4 | 53.4 | 55.9 | 57.0 | 59.0 | 61.3 | 61.9 | 62.4 | 64.1 | 64.3 | 79.7 |
| 28.8 | 34.4 | 43.0 | 47.5 | 50.5 | 54.2 | 56.7 | 57.8 | 59.8 | 62.1 | 62.7 | 63.2 | 64.9 | 65.1 | 81.8 |
| 28.8 | 34.6 | 43.3 | 47.8 | 50.8 | 54.5 | 57.0 | 58.1 | 60.1 | 62.4 | 63.0 | 63.5 | 65.2 | 65.4 | 83.1 |
| 29.0 | 34.9 | 43.8 | 48.2 | 51.2 | 54.8 | 57.3 | 58.4 | 60.4 | 62.7 | 63.3 | 63.8 | 65.5 | 65.7 | 83.0 |
| 29.0 | 34.9 | 43.8 | 48.2 | 51.2 | 54.8 | 57.3 | 58.4 | 60.4 | 62.7 | 63.3 | 63.8 | 65.5 | 65.7 | 83.0 |
| 29.0 | 34.9 | 43.8 | 48.2 | 51.2 | 54.8 | 57.3 | 58.4 | 60.4 | 62.7 | 63.3 | 63.8 | 65.5 | 65.7 | 83.0 |
| 29.0 | 34.9 | 43.8 | 48.2 | 51.2 | 54.8 | 57.3</ | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

1074

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

33=72

ECT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000=1100

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 11.3 | 13.0 | 17.3 | 19.8 | 21.1 | 23.8 | 23.6 | 24.6 | 25.6 | 26.2 | 26.2 | 26.3 | 26.6 | 26.7 | 28.2 |
| 14.0 | 16.3 | 21.5 | 24.4 | 25.9 | 27.9 | 28.8 | 29.9 | 31.4 | 32.2 | 32.3 | 32.5 | 32.9 | 32.9 | 34.8 |
| 14.0 | 16.3 | 21.5 | 24.4 | 25.9 | 27.9 | 28.8 | 29.9 | 31.4 | 32.2 | 32.3 | 32.5 | 32.9 | 32.9 | 34.8 |
| 14.0 | 16.3 | 21.5 | 24.4 | 25.9 | 27.9 | 28.8 | 29.9 | 31.4 | 32.2 | 32.3 | 32.5 | 32.9 | 32.9 | 34.8 |
| 14.5 | 16.7 | 21.9 | 24.9 | 26.4 | 28.3 | 29.3 | 30.5 | 32.0 | 32.8 | 32.9 | 33.0 | 33.4 | 33.5 | 35.3 |
| 14.9 | 17.2 | 22.4 | 25.5 | 27.0 | 29.0 | 29.9 | 31.1 | 32.6 | 33.4 | 33.5 | 33.7 | 34.1 | 34.1 | 36.0 |
| 15.5 | 17.9 | 23.3 | 26.7 | 28.2 | 30.4 | 31.4 | 32.6 | 34.1 | 34.9 | 35.0 | 35.1 | 35.6 | 35.6 | 37.5 |
| 16.8 | 19.4 | 25.0 | 28.5 | 30.0 | 32.3 | 33.4 | 34.6 | 36.2 | 37.1 | 37.2 | 37.3 | 37.7 | 37.8 | 39.7 |
| 17.9 | 20.5 | 26.4 | 30.1 | 31.7 | 34.0 | 35.1 | 36.4 | 38.0 | 38.9 | 39.1 | 39.2 | 39.6 | 39.7 | 41.6 |
| 19.8 | 22.7 | 29.1 | 33.0 | 34.9 | 37.2 | 38.3 | 39.6 | 41.2 | 42.3 | 42.4 | 42.6 | 43.0 | 43.1 | 45.0 |
| 20.4 | 23.4 | 30.0 | 34.1 | 36.1 | 38.4 | 39.5 | 40.9 | 42.3 | 43.5 | 43.7 | 43.9 | 44.3 | 44.4 | 46.3 |
| 21.4 | 24.3 | 31.3 | 35.4 | 37.4 | 39.7 | 41.1 | 42.3 | 44.1 | 45.2 | 45.4 | 45.5 | 46.0 | 46.1 | 47.9 |
| 22.3 | 25.6 | 32.5 | 36.8 | 38.9 | 41.4 | 42.7 | 44.1 | 45.9 | 47.0 | 47.2 | 47.4 | 47.8 | 47.9 | 49.8 |
| 23.8 | 27.6 | 34.5 | 38.8 | 40.9 | 43.5 | 44.9 | 46.3 | 48.1 | 49.3 | 49.6 | 49.7 | 50.1 | 50.2 | 52.1 |
| 24.8 | 28.6 | 35.9 | 40.3 | 42.3 | 45.2 | 46.7 | 48.1 | 50.1 | 51.3 | 51.5 | 51.7 | 52.1 | 52.2 | 54.1 |
| 26.2 | 30.3 | 37.8 | 42.3 | 44.6 | 47.5 | 49.1 | 50.4 | 52.8 | 54.0 | 54.3 | 54.5 | 54.9 | 54.9 | 56.8 |
| 27.5 | 31.8 | 39.7 | 44.6 | 47.0 | 50.2 | 51.9 | 53.4 | 55.9 | 57.4 | 57.6 | 57.8 | 58.2 | 58.3 | 60.2 |
| 29.8 | 34.7 | 43.0 | 48.0 | 50.4 | 53.7 | 55.3 | 57.0 | 59.4 | 61.0 | 61.3 | 61.4 | 61.9 | 61.9 | 63.8 |
| 31.0 | 36.0 | 44.4 | 49.3 | 52.1 | 55.3 | 57.0 | 58.6 | 61.0 | 62.6 | 62.9 | 63.1 | 63.5 | 63.5 | 65.3 |
| 33.2 | 39.0 | 47.6 | 52.1 | 55.8 | 59.4 | 61.1 | 62.9 | 65.5 | 67.3 | 67.5 | 67.7 | 68.1 | 68.2 | 70.1 |
| 34.7 | 40.9 | 50.3 | 56.4 | 59.4 | 63.2 | 65.2 | 66.9 | 69.6 | 71.4 | 71.7 | 71.8 | 72.3 | 72.3 | 74.2 |
| 35.6 | 42.2 | 52.3 | 59.0 | 62.3 | 66.3 | 68.3 | 70.3 | 73.2 | 75.0 | 75.2 | 75.4 | 75.9 | 75.9 | 77.8 |
| 35.9 | 42.7 | 53.3 | 60.4 | 64.0 | 68.0 | 70.3 | 72.2 | 75.1 | 76.9 | 77.2 | 77.4 | 77.8 | 77.9 | 79.8 |
| 36.1 | 43.3 | 54.3 | 61.8 | 65.6 | 69.7 | 72.1 | 74.1 | 77.1 | 78.9 | 79.1 | 79.4 | 79.8 | 79.9 | 81.8 |
| 36.3 | 43.8 | 55.4 | 63.2 | 67.4 | 71.8 | 74.3 | 76.6 | 79.6 | 81.3 | 81.7 | 81.9 | 82.4 | 82.4 | 84.3 |
| 36.5 | 43.7 | 55.9 | 64.0 | 68.3 | 73.0 | 76.0 | 78.2 | 81.4 | 83.4 | 83.6 | 83.9 | 84.3 | 84.4 | 86.3 |
| 36.6 | 43.8 | 56.2 | 64.3 | 68.9 | 73.8 | 77.1 | 79.4 | 83.0 | 85.1 | 85.4 | 85.7 | 86.1 | 86.2 | 88.1 |
| 36.6 | 43.9 | 56.3 | 64.6 | 69.0 | 74.2 | 77.5 | 80.3 | 84.2 | 86.3 | 86.6 | 87.3 | 87.8 | 87.9 | 89.8 |
| 36.6 | 43.9 | 56.3 | 64.7 | 69.2 | 74.7 | 78.2 | 80.9 | 85.2 | 87.6 | 88.2 | 88.8 | 89.3 | 89.3 | 91.2 |
| 36.6 | 43.9 | 56.3 | 64.7 | 69.2 | 74.7 | 78.2 | 80.9 | 85.2 | 88.2 | 89.0 | 90.0 | 91.2 | 91.2 | 93.1 |
| 36.6 | 43.9 | 56.3 | 64.7 | 69.2 | 74.7 | 78.2 | 80.9 | 85.2 | 88.2 | 89.1 | 90.0 | 91.6 | 91.6 | 93.5 |
| 36.6 | 43.9 | 56.3 | 64.7 | 69.2 | 74.7 | 78.2 | 80.9 | 85.2 | 88.2 | 89.1 | 90.0 | 91.6 | 91.6 | 93.5 |

TOTAL NUMBER OF OBSERVATIONS

1673

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

92-72

ECT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 20.7 | 24.2 | 28.3 | 30.0 | 31.3 | 31.8 | 32.1 | 32.3 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| 25.9 | 29.9 | 33.0 | 37.2 | 37.9 | 38.5 | 38.8 | 39.2 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| 26.0 | 30.0 | 33.0 | 37.3 | 38.0 | 38.6 | 38.9 | 39.3 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| 26.0 | 30.0 | 33.1 | 37.4 | 38.1 | 38.7 | 39.0 | 39.4 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 |
| 26.3 | 30.6 | 33.6 | 37.9 | 38.6 | 39.2 | 39.5 | 39.9 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 26.8 | 30.9 | 36.0 | 38.2 | 39.0 | 39.7 | 40.0 | 40.4 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| 27.9 | 32.2 | 37.6 | 40.0 | 40.9 | 41.6 | 41.9 | 42.3 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 |
| 28.5 | 32.9 | 38.4 | 40.9 | 41.9 | 42.8 | 43.1 | 43.5 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| 31.0 | 33.5 | 41.1 | 43.6 | 44.8 | 45.8 | 46.3 | 46.7 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 |
| 33.4 | 38.1 | 44.0 | 46.6 | 47.7 | 48.8 | 49.2 | 49.6 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 34.6 | 39.6 | 45.8 | 48.3 | 49.6 | 50.6 | 51.1 | 51.5 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 35.7 | 41.1 | 47.5 | 50.1 | 51.5 | 52.5 | 53.0 | 53.4 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| 36.3 | 41.9 | 48.3 | 51.1 | 52.5 | 53.6 | 54.8 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| 38.1 | 43.6 | 50.2 | 53.1 | 54.7 | 55.9 | 56.6 | 57.1 | 57.3 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 39.8 | 45.3 | 52.2 | 55.2 | 56.7 | 58.2 | 58.8 | 59.3 | 59.6 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| 42.3 | 48.3 | 53.3 | 58.3 | 60.0 | 61.6 | 62.2 | 62.7 | 62.9 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| 46.4 | 52.9 | 60.3 | 63.3 | 65.1 | 66.7 | 67.4 | 67.9 | 68.1 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| 51.0 | 58.1 | 66.0 | 69.3 | 71.0 | 72.7 | 73.3 | 73.9 | 74.1 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| 53.0 | 60.3 | 68.3 | 71.7 | 73.3 | 75.2 | 75.8 | 76.4 | 76.6 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| 54.6 | 62.6 | 71.4 | 73.9 | 77.2 | 79.1 | 79.8 | 80.3 | 80.3 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| 56.0 | 64.8 | 74.7 | 79.1 | 81.2 | 83.3 | 84.0 | 84.3 | 84.7 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 56.4 | 65.4 | 76.1 | 80.8 | 83.3 | 85.9 | 87.0 | 87.6 | 87.9 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 56.6 | 65.7 | 76.7 | 81.9 | 84.3 | 87.3 | 88.4 | 89.0 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 56.8 | 66.1 | 77.4 | 82.7 | 85.6 | 88.7 | 89.7 | 90.4 | 90.7 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 57.1 | 66.3 | 77.7 | 83.4 | 86.6 | 89.7 | 90.8 | 91.4 | 91.9 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| 57.1 | 66.4 | 78.0 | 83.7 | 87.4 | 90.6 | 91.8 | 92.6 | 93.3 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 57.2 | 66.8 | 78.2 | 84.0 | 87.8 | 91.3 | 92.8 | 94.0 | 95.0 | 95.4 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 57.2 | 66.9 | 78.2 | 84.1 | 87.8 | 91.6 | 93.2 | 94.5 | 95.8 | 96.4 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 |
| 57.2 | 66.8 | 78.2 | 84.1 | 87.9 | 91.7 | 93.3 | 94.6 | 96.0 | 97.0 | 97.3 | 97.6 | 97.9 | 97.9 | 97.9 | 97.9 |
| 57.2 | 66.8 | 78.2 | 84.1 | 87.9 | 91.7 | 93.3 | 94.6 | 96.0 | 97.1 | 97.5 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 |
| 57.2 | 66.8 | 78.2 | 84.1 | 87.9 | 91.7 | 93.3 | 94.6 | 96.0 | 97.1 | 97.6 | 98.2 | 98.6 | 98.7 | 98.7 | 98.7 |
| 57.2 | 66.8 | 78.2 | 84.1 | 87.9 | 91.7 | 93.3 | 94.6 | 96.0 | 97.1 | 97.6 | 98.2 | 98.6 | 98.7 | 98.7 | 98.7 |

TOTAL NUMBER OF OBSERVATIONS

1684

1

51-72

15001900

15001900

TOTAL NUMBER OF OBSERVATIONS

1079

1

CEILING VERSUS VISIBILITY

34C96 SEUBACH AB GERMANY

53-67, 69, 71-72

457

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 21.0 | 20.6 | 31.7 | 30.7 | 39.6 | 43.2 | 44.9 | 45.3 | 40.4 | 47.3 | 47.4 | 47.8 | 40.2 | 48.2 | 49.4 |
| 22.9 | 20.2 | 33.7 | 39.2 | 42.1 | 40.1 | 47.8 | 48.4 | 49.4 | 50.5 | 50.6 | 51.0 | 51.5 | 51.5 | 52.8 |
| 22.9 | 28.2 | 33.7 | 39.2 | 42.1 | 40.1 | 47.8 | 48.4 | 49.4 | 50.5 | 50.6 | 51.0 | 51.5 | 51.5 | 52.8 |
| 22.9 | 20.2 | 33.7 | 39.2 | 42.1 | 40.1 | 47.8 | 48.4 | 49.4 | 50.5 | 50.6 | 51.0 | 51.5 | 51.5 | 52.8 |
| 23.0 | 20.3 | 33.8 | 39.2 | 42.2 | 40.2 | 48.0 | 48.5 | 49.6 | 50.6 | 50.8 | 51.1 | 51.6 | 51.6 | 52.9 |
| 23.2 | 20.7 | 34.3 | 39.8 | 42.8 | 40.9 | 48.7 | 49.3 | 50.3 | 51.4 | 51.5 | 51.9 | 52.4 | 52.4 | 53.1 |
| 24.1 | 20.7 | 35.5 | 41.0 | 43.9 | 41.2 | 50.0 | 50.6 | 51.6 | 52.6 | 52.8 | 53.1 | 53.6 | 53.6 | 55.1 |
| 25.2 | 31.2 | 37.4 | 43.1 | 46.1 | 50.4 | 52.2 | 52.8 | 53.8 | 54.9 | 55.0 | 55.4 | 55.8 | 55.8 | 57.4 |
| 26.2 | 32.5 | 38.0 | 44.9 | 47.9 | 52.3 | 54.2 | 54.7 | 55.8 | 56.8 | 57.0 | 57.3 | 57.8 | 57.8 | 59.3 |
| 28.5 | 38.4 | 42.4 | 48.7 | 51.8 | 56.5 | 58.6 | 59.1 | 60.2 | 61.3 | 61.4 | 61.8 | 62.2 | 62.2 | 63.8 |
| 30.5 | 37.5 | 44.8 | 51.3 | 54.5 | 59.3 | 61.3 | 61.9 | 63.0 | 64.0 | 64.2 | 64.5 | 65.0 | 65.0 | 66.6 |
| 31.2 | 38.7 | 46.3 | 52.9 | 56.3 | 61.3 | 63.6 | 64.2 | 65.3 | 66.3 | 66.5 | 66.8 | 67.3 | 67.4 | 68.9 |
| 32.3 | 40.3 | 48.0 | 54.8 | 58.3 | 63.7 | 65.9 | 66.4 | 67.5 | 68.6 | 68.7 | 69.1 | 69.5 | 69.6 | 71.1 |
| 33.6 | 42.4 | 50.3 | 57.3 | 61.2 | 66.8 | 69.0 | 69.5 | 70.7 | 71.7 | 71.8 | 72.2 | 72.7 | 72.7 | 74.3 |
| 35.2 | 44.5 | 52.5 | 59.6 | 63.5 | 69.3 | 71.6 | 72.2 | 73.4 | 74.5 | 74.6 | 75.0 | 75.6 | 75.7 | 77.2 |
| 36.4 | 46.1 | 54.4 | 61.8 | 66.0 | 72.0 | 74.3 | 74.9 | 76.1 | 77.2 | 77.3 | 77.7 | 78.3 | 78.4 | 79.9 |
| 37.5 | 47.4 | 55.9 | 63.6 | 68.1 | 74.3 | 76.6 | 77.2 | 78.4 | 79.6 | 79.8 | 80.2 | 80.7 | 80.8 | 82.5 |
| 38.1 | 48.5 | 57.4 | 65.2 | 70.0 | 76.3 | 78.7 | 79.3 | 80.5 | 81.7 | 81.8 | 82.2 | 82.9 | 83.0 | 84.7 |
| 38.5 | 49.0 | 57.9 | 65.9 | 70.8 | 77.1 | 79.5 | 80.2 | 81.4 | 82.6 | 82.8 | 83.2 | 83.8 | 83.9 | 85.7 |
| 39.0 | 49.8 | 59.2 | 67.6 | 72.7 | 79.1 | 81.8 | 82.5 | 83.7 | 84.9 | 85.0 | 85.5 | 86.1 | 86.2 | 88.0 |
| 39.6 | 50.9 | 60.9 | 69.3 | 74.8 | 81.4 | 84.1 | 84.8 | 86.0 | 87.3 | 87.4 | 87.9 | 88.5 | 88.5 | 90.3 |
| 40.1 | 51.5 | 61.8 | 70.2 | 75.7 | 82.3 | 85.0 | 85.7 | 87.0 | 88.3 | 88.3 | 88.9 | 89.5 | 89.6 | 91.4 |
| 40.1 | 51.7 | 62.1 | 70.6 | 76.1 | 82.9 | 85.7 | 86.4 | 87.6 | 88.9 | 89.1 | 89.6 | 90.1 | 90.2 | 92.0 |
| 40.1 | 51.7 | 62.3 | 71.1 | 76.8 | 83.4 | 87.0 | 87.8 | 89.2 | 90.5 | 90.6 | 91.1 | 91.7 | 91.7 | 93.5 |
| 40.2 | 51.9 | 62.7 | 71.8 | 77.3 | 84.8 | 87.8 | 88.6 | 90.0 | 91.3 | 91.4 | 91.9 | 92.5 | 92.6 | 94.4 |
| 40.3 | 52.2 | 63.1 | 72.2 | 78.1 | 85.6 | 88.7 | 89.6 | 91.0 | 92.4 | 92.6 | 93.0 | 93.6 | 93.7 | 95.5 |
| 40.3 | 52.3 | 63.1 | 72.3 | 78.2 | 85.0 | 89.0 | 90.1 | 91.4 | 92.9 | 93.0 | 93.5 | 94.1 | 94.2 | 96.0 |
| 40.3 | 52.2 | 63.1 | 72.4 | 78.3 | 86.1 | 89.2 | 90.2 | 91.7 | 93.2 | 93.2 | 93.8 | 94.4 | 94.5 | 96.3 |
| 40.3 | 52.2 | 63.1 | 72.4 | 78.3 | 86.1 | 89.3 | 90.3 | 92.0 | 93.6 | 93.7 | 94.3 | 94.9 | 95.0 | 96.8 |
| 40.3 | 52.2 | 63.1 | 72.4 | 78.3 | 86.1 | 89.4 | 90.6 | 92.1 | 93.8 | 93.9 | 94.6 | 95.4 | 95.5 | 97.3 |
| 40.3 | 52.2 | 63.1 | 72.4 | 78.3 | 86.1 | 89.4 | 90.6 | 92.1 | 93.8 | 93.9 | 94.6 | 95.4 | 95.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1438

[illegible]

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04056 SEMBACH AB GERMANY

53-67

21

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 9.6 | 11.1 | 13.3 | 16.1 | 17.4 | 18.8 | 19.9 | 20.2 | 20.9 | 21.3 | 21.6 | 21.9 | 22.6 | 22.7 | 23.1 |
| 10.3 | 12.0 | 14.8 | 17.8 | 19.3 | 21.2 | 22.4 | 22.7 | 23.4 | 23.9 | 24.2 | 24.5 | 25.3 | 25.4 | 27.7 |
| 10.3 | 12.0 | 14.8 | 17.8 | 19.3 | 21.2 | 22.4 | 22.7 | 23.4 | 23.9 | 24.2 | 24.5 | 25.3 | 25.4 | 27.7 |
| 10.3 | 12.0 | 14.8 | 17.8 | 19.3 | 21.2 | 22.4 | 22.7 | 23.4 | 23.9 | 24.2 | 24.5 | 25.3 | 25.4 | 27.7 |
| 10.3 | 12.2 | 15.0 | 17.9 | 19.6 | 21.3 | 22.5 | 22.9 | 23.6 | 24.2 | 24.4 | 24.7 | 25.3 | 25.6 | 27.9 |
| 10.9 | 12.6 | 15.4 | 18.4 | 20.1 | 21.8 | 23.0 | 23.4 | 24.1 | 24.6 | 24.8 | 25.1 | 25.9 | 26.0 | 28.4 |
| 11.6 | 13.3 | 16.2 | 19.1 | 20.8 | 22.6 | 23.8 | 24.2 | 24.9 | 25.5 | 25.7 | 26.0 | 26.8 | 26.9 | 29.3 |
| 13.7 | 15.6 | 19.1 | 22.3 | 24.1 | 26.1 | 27.4 | 27.8 | 28.7 | 29.3 | 29.5 | 29.8 | 30.6 | 30.7 | 33.1 |
| 15.2 | 17.2 | 20.7 | 24.3 | 26.4 | 28.7 | 30.0 | 30.5 | 31.4 | 32.2 | 32.4 | 32.7 | 33.3 | 33.6 | 36.0 |
| 16.3 | 18.3 | 22.2 | 25.8 | 28.2 | 30.8 | 32.2 | 32.6 | 33.8 | 34.6 | 34.8 | 35.1 | 36.0 | 36.0 | 38.4 |
| 17.6 | 19.7 | 23.6 | 27.6 | 29.9 | 33.2 | 34.7 | 35.1 | 36.6 | 37.4 | 37.7 | 38.0 | 38.8 | 38.8 | 41.3 |
| 17.8 | 20.0 | 24.0 | 28.1 | 30.6 | 34.2 | 35.8 | 36.2 | 37.7 | 38.5 | 38.8 | 39.1 | 39.9 | 40.0 | 42.5 |
| 18.3 | 20.8 | 25.1 | 29.1 | 31.9 | 36.0 | 37.5 | 38.0 | 39.5 | 40.3 | 40.3 | 40.8 | 41.7 | 41.8 | 44.3 |
| 19.3 | 21.8 | 26.3 | 30.4 | 33.3 | 37.7 | 39.6 | 40.2 | 41.7 | 42.6 | 42.8 | 43.1 | 44.0 | 44.1 | 46.7 |
| 20.3 | 23.0 | 28.0 | 32.2 | 35.4 | 39.7 | 41.7 | 42.3 | 43.9 | 44.9 | 45.1 | 45.4 | 46.3 | 46.4 | 49.0 |
| 21.3 | 24.7 | 30.0 | 34.8 | 38.3 | 42.8 | 44.9 | 45.6 | 47.1 | 48.4 | 48.6 | 48.9 | 49.8 | 49.9 | 52.5 |
| 22.3 | 26.3 | 32.7 | 38.2 | 42.3 | 47.0 | 49.3 | 50.0 | 51.6 | 52.9 | 53.1 | 53.4 | 54.3 | 54.4 | 57.0 |
| 23.4 | 27.4 | 34.4 | 40.4 | 44.6 | 49.4 | 51.7 | 52.5 | 54.0 | 55.3 | 55.5 | 55.8 | 56.8 | 56.9 | 59.5 |
| 25.1 | 30.1 | 38.0 | 44.4 | 49.1 | 54.1 | 56.6 | 57.4 | 59.2 | 60.6 | 60.9 | 61.2 | 62.1 | 62.2 | 64.8 |
| 26.6 | 32.3 | 41.7 | 49.1 | 53.9 | 59.3 | 62.2 | 63.0 | 64.9 | 66.3 | 66.6 | 67.0 | 68.0 | 68.1 | 70.7 |
| 27.2 | 33.4 | 43.1 | 51.0 | 56.0 | 62.1 | 65.2 | 66.1 | 68.1 | 69.3 | 69.8 | 70.2 | 71.2 | 71.2 | 73.9 |
| 27.4 | 33.7 | 43.7 | 52.0 | 57.2 | 63.7 | 66.8 | 67.8 | 69.8 | 71.1 | 71.5 | 71.8 | 72.8 | 72.9 | 75.5 |
| 27.5 | 33.9 | 44.6 | 53.2 | 59.2 | 66.3 | 69.3 | 70.6 | 72.6 | 73.9 | 74.3 | 74.6 | 75.6 | 75.7 | 78.4 |
| 27.6 | 34.3 | 45.0 | 54.0 | 60.7 | 68.2 | 71.5 | 72.6 | 74.7 | 76.1 | 76.5 | 76.9 | 77.8 | 77.9 | 80.7 |
| 27.7 | 34.6 | 45.4 | 54.9 | 62.3 | 69.9 | 73.5 | 74.6 | 76.7 | 78.4 | 78.8 | 79.2 | 80.1 | 80.2 | 83.0 |
| 27.7 | 34.8 | 46.0 | 56.0 | 63.8 | 72.4 | 76.6 | 77.9 | 80.3 | 82.3 | 82.8 | 83.2 | 84.3 | 84.4 | 87.2 |
| 27.7 | 34.8 | 46.2 | 56.5 | 64.8 | 74.6 | 78.9 | 80.2 | 82.8 | 85.1 | 85.7 | 86.1 | 87.2 | 87.4 | 90.4 |
| 27.7 | 34.8 | 46.2 | 56.7 | 65.2 | 75.8 | 80.4 | 81.9 | 85.2 | 88.0 | 88.6 | 89.0 | 90.2 | 90.4 | 93.6 |
| 27.7 | 34.8 | 46.2 | 56.7 | 65.2 | 75.9 | 80.7 | 82.3 | 85.7 | 88.7 | 89.3 | 89.9 | 91.3 | 91.3 | 95.6 |
| 27.7 | 34.8 | 46.2 | 56.7 | 65.2 | 75.9 | 80.7 | 82.3 | 85.7 | 88.7 | 89.6 | 90.2 | 92.1 | 92.3 | 98.0 |
| 27.7 | 34.8 | 46.2 | 56.7 | 65.2 | 75.9 | 80.7 | 82.3 | 85.8 | 88.8 | 89.7 | 90.4 | 92.4 | 92.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1349

USAF ETAC 0-14-5 (2) A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

DATA PROCESSING BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

34055 SEBACH AB GERMANY

59-72

ADV

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

0800-0500

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 8.4 | 9.8 | 11.8 | 14.4 | 15.6 | 17.2 | 18.2 | 18.2 | 16.7 | 19.3 | 19.3 | 19.4 | 19.7 | 19.9 | 23.0 |
| 9.7 | 11.1 | 13.2 | 16.1 | 17.7 | 19.5 | 20.4 | 20.6 | 21.1 | 21.6 | 21.6 | 21.7 | 22.1 | 22.2 | 23.0 |
| 9.7 | 11.1 | 13.2 | 16.1 | 17.7 | 19.5 | 20.4 | 20.6 | 21.1 | 21.6 | 21.6 | 21.7 | 22.1 | 22.2 | 23.0 |
| 9.8 | 11.2 | 13.3 | 16.3 | 17.8 | 19.7 | 20.5 | 20.7 | 21.2 | 21.8 | 21.8 | 21.9 | 22.2 | 22.3 | 26.0 |
| 10.0 | 11.5 | 13.6 | 16.5 | 18.1 | 19.9 | 20.8 | 21.0 | 21.5 | 22.1 | 22.1 | 22.2 | 22.6 | 22.7 | 26.0 |
| 10.1 | 11.5 | 13.6 | 16.7 | 18.4 | 20.3 | 21.1 | 21.4 | 21.9 | 22.5 | 22.5 | 22.6 | 23.1 | 23.2 | 26.0 |
| 10.6 | 12.0 | 14.1 | 17.3 | 19.1 | 21.1 | 22.2 | 22.4 | 22.9 | 23.6 | 23.6 | 23.7 | 24.1 | 24.3 | 27.0 |
| 11.6 | 13.1 | 15.3 | 18.7 | 20.5 | 22.6 | 23.8 | 24.1 | 24.6 | 25.5 | 25.6 | 25.7 | 26.2 | 26.3 | 30.0 |
| 13.2 | 14.8 | 17.3 | 20.9 | 22.7 | 25.0 | 26.2 | 26.6 | 27.1 | 28.0 | 28.1 | 28.2 | 28.6 | 28.8 | 32.0 |
| 14.1 | 15.8 | 18.4 | 21.9 | 23.9 | 26.5 | 27.8 | 28.4 | 29.1 | 30.3 | 30.4 | 30.6 | 31.0 | 31.1 | 34.0 |
| 15.1 | 17.2 | 20.2 | 24.0 | 26.1 | 29.0 | 30.5 | 31.2 | 32.0 | 33.1 | 33.4 | 33.5 | 33.9 | 34.1 | 37.0 |
| 15.8 | 17.9 | 21.0 | 24.9 | 27.0 | 30.3 | 31.8 | 32.5 | 33.3 | 34.4 | 34.7 | 34.9 | 35.4 | 35.5 | 39.0 |
| 16.8 | 19.0 | 22.1 | 26.2 | 28.5 | 32.0 | 33.5 | 34.3 | 35.1 | 36.3 | 36.6 | 36.7 | 37.3 | 37.4 | 41.0 |
| 18.0 | 20.3 | 23.6 | 28.2 | 30.7 | 34.4 | 35.9 | 36.7 | 37.6 | 38.8 | 39.1 | 39.3 | 39.8 | 40.0 | 43.0 |
| 18.8 | 21.6 | 25.5 | 30.3 | 32.9 | 37.0 | 38.5 | 39.3 | 40.2 | 41.6 | 41.9 | 42.0 | 42.6 | 42.7 | 46.0 |
| 19.8 | 22.6 | 27.1 | 32.5 | 35.3 | 39.7 | 41.2 | 42.0 | 42.9 | 44.3 | 44.6 | 44.8 | 45.4 | 45.5 | 49.0 |
| 21.7 | 25.8 | 30.8 | 36.8 | 40.0 | 45.0 | 46.6 | 47.5 | 48.4 | 49.9 | 50.1 | 50.4 | 50.9 | 51.1 | 55.0 |
| 22.0 | 26.3 | 31.6 | 37.8 | 41.1 | 46.3 | 47.9 | 48.8 | 49.7 | 51.2 | 51.5 | 51.7 | 52.3 | 52.4 | 56.0 |
| 23.3 | 28.2 | 34.9 | 41.5 | 45.0 | 50.4 | 52.1 | 52.9 | 53.8 | 55.5 | 55.8 | 56.1 | 56.6 | 56.8 | 60.0 |
| 25.0 | 31.0 | 38.6 | 47.0 | 51.2 | 56.9 | 58.8 | 59.6 | 60.6 | 62.4 | 62.7 | 63.0 | 63.6 | 63.7 | 67.0 |
| 26.0 | 32.7 | 41.9 | 49.6 | 54.2 | 60.4 | 62.7 | 63.5 | 64.6 | 66.6 | 66.9 | 67.2 | 67.8 | 67.9 | 71.0 |
| 26.4 | 33.2 | 42.6 | 50.3 | 55.2 | 61.6 | 64.3 | 65.1 | 66.3 | 68.3 | 68.6 | 68.9 | 69.4 | 69.6 | 73.0 |
| 26.6 | 33.5 | 43.1 | 51.4 | 56.8 | 63.5 | 66.3 | 67.2 | 68.4 | 70.4 | 70.7 | 71.0 | 71.6 | 71.7 | 75.0 |
| 26.7 | 33.8 | 43.9 | 52.7 | 58.5 | 65.9 | 68.8 | 69.7 | 70.9 | 73.0 | 73.3 | 73.6 | 74.1 | 74.3 | 78.0 |
| 26.9 | 34.2 | 44.6 | 53.8 | 60.3 | 68.6 | 71.8 | 72.7 | 74.0 | 76.2 | 76.5 | 76.8 | 77.4 | 77.6 | 81.0 |
| 26.9 | 34.3 | 45.0 | 54.5 | 61.5 | 70.7 | 74.2 | 75.5 | 76.8 | 79.5 | 79.8 | 80.1 | 81.0 | 81.1 | 85.0 |
| 26.9 | 34.3 | 45.0 | 54.7 | 62.6 | 72.6 | 76.5 | 77.9 | 79.5 | 82.4 | 82.7 | 83.2 | 84.2 | 84.4 | 88.0 |
| 26.9 | 34.3 | 45.1 | 55.0 | 63.1 | 73.7 | 78.1 | 79.7 | 81.6 | 84.9 | 85.5 | 86.0 | 87.1 | 87.2 | 91.0 |
| 26.9 | 34.3 | 45.1 | 55.0 | 63.2 | 73.9 | 78.4 | 80.1 | 82.3 | 86.1 | 86.6 | 87.1 | 88.6 | 88.8 | 94.0 |
| 26.9 | 34.3 | 45.1 | 55.0 | 63.2 | 74.0 | 78.8 | 80.8 | 83.2 | 87.2 | 87.8 | 88.3 | 89.7 | 90.0 | 97.0 |
| 26.9 | 34.3 | 45.1 | 55.0 | 63.2 | 74.0 | 78.8 | 80.8 | 83.2 | 87.4 | 88.0 | 88.5 | 90.0 | 90.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1414

USAF ETAC 1445 CL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR HEATER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEYBACH AB GERMANY

59-72

ACV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 7.3 | 8.3 | 10.5 | 12.3 | 13.0 | 14.1 | 15.1 | 15.3 | 16.4 | 16.8 | 16.8 | 17.0 | 17.4 | 17.5 | 20.1 |
| 9.0 | 10.2 | 12.5 | 14.6 | 15.7 | 17.2 | 18.1 | 18.2 | 19.6 | 20.1 | 20.1 | 20.3 | 20.9 | 21.0 | 23.8 |
| 9.0 | 10.2 | 12.5 | 14.6 | 15.7 | 17.2 | 18.1 | 18.5 | 19.6 | 20.1 | 20.1 | 20.3 | 20.9 | 21.0 | 23.8 |
| 9.2 | 10.3 | 12.6 | 14.7 | 15.8 | 17.3 | 18.2 | 18.6 | 19.8 | 20.2 | 20.2 | 20.4 | 21.0 | 21.1 | 23.9 |
| 9.3 | 10.5 | 12.7 | 14.9 | 15.9 | 17.5 | 18.4 | 18.8 | 20.0 | 20.5 | 20.5 | 20.7 | 21.3 | 21.4 | 24.2 |
| 9.4 | 10.6 | 12.9 | 15.1 | 16.1 | 17.7 | 18.6 | 19.0 | 20.2 | 20.7 | 20.7 | 20.9 | 21.5 | 21.6 | 24.4 |
| 9.7 | 11.0 | 13.3 | 15.5 | 16.6 | 18.1 | 19.0 | 19.4 | 20.8 | 21.4 | 21.4 | 21.6 | 22.2 | 22.4 | 25.1 |
| 10.1 | 11.4 | 13.7 | 16.0 | 17.1 | 18.8 | 19.8 | 20.3 | 21.7 | 22.4 | 22.4 | 22.5 | 23.1 | 23.3 | 26.2 |
| 11.0 | 12.2 | 14.7 | 17.2 | 18.2 | 19.9 | 21.0 | 21.7 | 23.1 | 23.8 | 23.8 | 24.0 | 24.6 | 24.8 | 27.7 |
| 12.3 | 13.6 | 16.0 | 18.6 | 19.8 | 21.8 | 22.8 | 23.6 | 25.0 | 25.9 | 25.9 | 26.1 | 26.7 | 26.8 | 29.8 |
| 13.3 | 14.7 | 17.2 | 19.8 | 21.2 | 23.2 | 24.2 | 25.0 | 26.5 | 27.4 | 27.5 | 27.7 | 28.5 | 28.6 | 31.6 |
| 14.3 | 15.9 | 18.7 | 21.8 | 23.3 | 25.7 | 26.7 | 27.5 | 29.0 | 30.0 | 30.0 | 30.3 | 31.1 | 31.2 | 34.4 |
| 15.1 | 16.7 | 19.6 | 22.7 | 24.5 | 27.0 | 28.1 | 28.9 | 30.5 | 31.4 | 31.4 | 31.7 | 32.6 | 32.7 | 35.9 |
| 16.2 | 17.9 | 20.9 | 24.4 | 26.3 | 28.9 | 30.0 | 31.0 | 32.6 | 33.5 | 33.6 | 33.9 | 34.9 | 35.0 | 38.2 |
| 17.7 | 19.8 | 23.1 | 26.8 | 28.8 | 31.6 | 32.9 | 33.9 | 35.5 | 36.5 | 36.5 | 36.8 | 37.8 | 37.9 | 41.1 |
| 19.2 | 22.0 | 25.5 | 29.8 | 32.0 | 34.9 | 36.5 | 37.6 | 39.4 | 40.5 | 40.5 | 40.8 | 42.0 | 42.1 | 45.3 |
| 20.3 | 23.4 | 27.5 | 32.2 | 34.8 | 37.8 | 39.6 | 40.6 | 42.6 | 43.7 | 43.7 | 44.1 | 45.3 | 45.4 | 48.6 |
| 21.8 | 25.5 | 30.1 | 35.2 | 38.0 | 41.5 | 43.4 | 44.5 | 46.5 | 47.6 | 47.8 | 48.2 | 49.4 | 49.5 | 52.8 |
| 22.5 | 26.3 | 31.3 | 36.5 | 39.5 | 43.2 | 45.1 | 46.2 | 48.2 | 49.3 | 49.5 | 49.9 | 51.1 | 51.2 | 54.5 |
| 23.6 | 28.3 | 34.4 | 40.5 | 43.7 | 47.6 | 49.6 | 50.7 | 52.8 | 53.9 | 54.1 | 54.5 | 55.6 | 55.8 | 59.1 |
| 25.1 | 31.1 | 38.4 | 45.4 | 48.9 | 53.4 | 55.6 | 56.7 | 58.9 | 60.0 | 60.3 | 60.8 | 61.9 | 62.1 | 65.4 |
| 25.9 | 32.5 | 40.5 | 47.7 | 51.7 | 56.5 | 58.9 | 60.1 | 62.3 | 63.5 | 63.8 | 64.3 | 65.5 | 65.6 | 68.9 |
| 26.0 | 33.0 | 41.4 | 49.2 | 53.3 | 58.2 | 60.8 | 62.1 | 64.3 | 65.5 | 65.8 | 66.2 | 67.4 | 67.6 | 70.9 |
| 26.4 | 33.8 | 42.5 | 50.9 | 55.6 | 61.0 | 63.7 | 65.0 | 67.2 | 68.5 | 68.7 | 69.2 | 70.4 | 70.6 | 73.9 |
| 26.5 | 33.9 | 43.0 | 51.8 | 56.9 | 63.1 | 66.1 | 67.6 | 70.0 | 71.3 | 71.6 | 72.1 | 73.4 | 73.5 | 76.9 |
| 26.7 | 34.4 | 43.9 | 53.2 | 58.9 | 66.0 | 69.3 | 71.0 | 73.6 | 74.9 | 75.2 | 75.7 | 76.9 | 77.1 | 80.4 |
| 26.7 | 34.4 | 44.2 | 53.9 | 60.2 | 68.1 | 71.5 | 73.6 | 76.4 | 78.0 | 78.4 | 78.9 | 80.2 | 80.3 | 83.7 |
| 26.7 | 34.4 | 44.4 | 54.0 | 60.6 | 69.1 | 73.0 | 75.6 | 78.7 | 80.6 | 81.0 | 81.6 | 82.8 | 83.0 | 86.7 |
| 26.7 | 34.4 | 44.6 | 54.5 | 61.2 | 70.0 | 74.5 | 77.6 | 81.2 | 83.5 | 83.9 | 84.5 | 86.0 | 86.2 | 90.1 |
| 26.7 | 34.4 | 44.6 | 54.5 | 61.4 | 70.7 | 75.4 | 78.8 | 82.6 | 85.3 | 86.0 | 87.1 | 89.1 | 89.2 | 94.7 |
| 26.7 | 34.4 | 44.6 | 54.5 | 61.5 | 70.8 | 75.5 | 78.9 | 82.9 | 85.7 | 86.4 | 87.8 | 90.3 | 90.4 | 97.7 |
| 26.7 | 34.4 | 44.6 | 54.5 | 61.5 | 70.8 | 75.5 | 78.9 | 82.9 | 85.8 | 86.5 | 87.8 | 90.3 | 90.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1539

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/42C

CEILING VERSUS VISIBILITY

34036 SEMBACH AB GERMANY

53-72

ADV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-1100

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 7.2 | 8.5 | 10.7 | 11.6 | 12.2 | 13.4 | 13.9 | 14.1 | 14.5 | 14.9 | 14.9 | 15.0 | 15.5 | 15.5 | 16.1 |
| 9.7 | 11.3 | 13.8 | 15.0 | 15.6 | 17.0 | 17.7 | 18.1 | 18.5 | 18.9 | 19.1 | 19.1 | 19.7 | 19.7 | 20.5 |
| 9.7 | 11.3 | 13.8 | 15.1 | 15.7 | 17.2 | 17.8 | 18.2 | 18.7 | 19.1 | 19.2 | 19.3 | 19.8 | 19.8 | 20.6 |
| 9.7 | 11.3 | 13.9 | 15.2 | 15.8 | 17.2 | 17.9 | 18.3 | 18.7 | 19.1 | 19.3 | 19.3 | 19.9 | 19.9 | 20.7 |
| 9.8 | 11.6 | 14.1 | 15.4 | 16.1 | 17.5 | 18.2 | 18.5 | 19.1 | 19.5 | 19.6 | 19.6 | 20.2 | 20.2 | 21.0 |
| 10.3 | 12.2 | 14.8 | 16.2 | 16.9 | 18.3 | 18.9 | 19.3 | 19.8 | 20.2 | 20.4 | 20.4 | 21.0 | 21.0 | 21.8 |
| 11.0 | 12.8 | 15.5 | 17.0 | 17.6 | 19.1 | 19.7 | 20.1 | 20.9 | 21.3 | 21.5 | 21.5 | 22.1 | 22.1 | 22.9 |
| 11.6 | 13.4 | 16.1 | 17.6 | 18.2 | 19.9 | 20.6 | 21.1 | 21.9 | 22.5 | 22.6 | 22.7 | 23.4 | 23.4 | 24.1 |
| 12.8 | 14.7 | 17.6 | 19.3 | 20.0 | 22.0 | 22.8 | 23.4 | 24.3 | 25.1 | 25.3 | 25.4 | 26.0 | 26.0 | 26.8 |
| 13.8 | 15.9 | 19.0 | 20.9 | 21.7 | 23.7 | 24.6 | 25.3 | 26.2 | 27.1 | 27.3 | 27.4 | 28.0 | 28.0 | 29.0 |
| 14.4 | 16.8 | 19.9 | 21.9 | 22.8 | 24.9 | 25.8 | 26.5 | 27.5 | 28.6 | 28.8 | 28.8 | 29.5 | 29.5 | 30.4 |
| 15.7 | 18.2 | 21.5 | 23.6 | 24.7 | 27.1 | 27.9 | 28.7 | 29.7 | 31.0 | 31.2 | 31.2 | 31.9 | 31.9 | 33.1 |
| 15.9 | 18.6 | 22.2 | 24.5 | 25.8 | 28.2 | 29.1 | 29.9 | 30.9 | 32.1 | 32.3 | 32.4 | 33.1 | 33.1 | 34.3 |
| 16.6 | 19.6 | 23.5 | 26.2 | 27.7 | 30.1 | 31.1 | 31.9 | 33.0 | 34.2 | 34.4 | 34.5 | 35.3 | 35.3 | 36.5 |
| 17.3 | 20.4 | 24.4 | 27.3 | 28.8 | 31.4 | 32.5 | 33.4 | 34.5 | 35.8 | 36.0 | 36.0 | 36.8 | 36.8 | 38.1 |
| 19.5 | 22.7 | 27.1 | 30.1 | 31.9 | 34.7 | 36.1 | 37.1 | 38.3 | 39.8 | 40.0 | 40.1 | 41.0 | 41.0 | 42.4 |
| 21.8 | 25.2 | 30.1 | 33.3 | 35.4 | 38.3 | 39.8 | 40.8 | 42.3 | 43.9 | 44.1 | 44.2 | 45.2 | 45.2 | 46.6 |
| 23.6 | 27.6 | 33.3 | 37.1 | 39.2 | 42.2 | 44.0 | 45.3 | 47.1 | 48.9 | 49.3 | 49.4 | 50.4 | 50.4 | 51.9 |
| 24.6 | 28.9 | 35.3 | 39.4 | 41.8 | 44.8 | 46.8 | 48.0 | 49.8 | 51.6 | 52.0 | 52.1 | 53.2 | 53.2 | 54.6 |
| 26.6 | 31.4 | 38.5 | 43.1 | 45.6 | 48.9 | 50.9 | 52.3 | 54.4 | 56.3 | 56.8 | 56.9 | 58.0 | 58.0 | 59.4 |
| 28.5 | 34.3 | 42.4 | 47.7 | 50.6 | 54.7 | 57.0 | 58.6 | 60.9 | 63.0 | 63.6 | 63.7 | 64.7 | 64.7 | 66.2 |
| 28.7 | 35.2 | 43.9 | 49.3 | 52.4 | 57.1 | 59.6 | 61.2 | 63.7 | 65.9 | 66.4 | 66.6 | 67.6 | 67.6 | 69.2 |
| 28.9 | 35.7 | 44.6 | 50.3 | 53.6 | 58.6 | 61.4 | 63.1 | 65.8 | 68.1 | 68.8 | 68.9 | 70.0 | 70.0 | 71.6 |
| 29.0 | 36.2 | 45.8 | 52.2 | 56.1 | 61.6 | 64.7 | 66.6 | 69.5 | 71.8 | 72.5 | 72.6 | 73.7 | 73.7 | 75.3 |
| 29.1 | 36.7 | 46.8 | 53.7 | 58.0 | 63.8 | 67.1 | 69.1 | 72.3 | 74.7 | 75.3 | 75.5 | 76.6 | 76.6 | 78.3 |
| 29.3 | 37.2 | 48.0 | 55.3 | 59.9 | 66.1 | 69.7 | 71.8 | 75.3 | 77.8 | 78.5 | 78.7 | 79.9 | 79.9 | 81.7 |
| 29.5 | 37.3 | 48.7 | 56.3 | 61.2 | 67.9 | 72.5 | 74.8 | 78.7 | 81.3 | 81.9 | 82.2 | 83.5 | 83.5 | 85.3 |
| 29.5 | 37.3 | 48.8 | 56.7 | 61.7 | 68.7 | 74.0 | 76.6 | 80.9 | 83.8 | 84.5 | 84.9 | 86.3 | 86.3 | 88.3 |
| 29.5 | 37.3 | 48.8 | 56.8 | 62.1 | 69.5 | 75.0 | 77.9 | 82.9 | 86.7 | 87.6 | 88.4 | 90.2 | 90.2 | 92.6 |
| 29.5 | 37.3 | 48.8 | 56.9 | 62.2 | 69.6 | 75.2 | 78.1 | 83.2 | 87.4 | 88.5 | 89.3 | 92.1 | 92.2 | 94.0 |
| 29.5 | 37.3 | 48.8 | 56.9 | 62.2 | 69.6 | 75.3 | 78.1 | 83.3 | 87.5 | 88.6 | 90.0 | 92.7 | 92.8 | 94.6 |
| 29.5 | 37.3 | 48.8 | 56.9 | 62.2 | 69.6 | 75.3 | 78.1 | 83.3 | 87.5 | 88.6 | 90.0 | 92.7 | 92.8 | 94.6 |

TOTAL NUMBER OF OBSERVATIONS

1337

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

52-72

REV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 9.4 | 10.7 | 13.0 | 13.9 | 14.7 | 15.2 | 15.4 | 15.4 | 15.6 | 15.6 | 15.6 | 15.6 | 15.6 | 15.7 | 15.7 | 15.8 |
| 13.0 | 14.8 | 17.4 | 19.0 | 20.0 | 20.6 | 20.8 | 20.8 | 21.0 | 21.0 | 21.0 | 21.1 | 21.1 | 21.1 | 21.1 | 21.3 |
| 13.0 | 14.8 | 17.6 | 19.1 | 20.1 | 20.8 | 20.9 | 20.9 | 21.1 | 21.1 | 21.1 | 21.1 | 21.2 | 21.3 | 21.3 | 21.4 |
| 13.1 | 15.0 | 17.9 | 19.5 | 20.5 | 21.1 | 21.3 | 21.3 | 21.5 | 21.5 | 21.5 | 21.6 | 21.7 | 21.7 | 21.7 | 21.8 |
| 13.9 | 16.0 | 18.9 | 20.6 | 21.6 | 22.2 | 22.4 | 22.4 | 22.6 | 22.6 | 22.6 | 22.7 | 22.8 | 22.8 | 22.8 | 22.9 |
| 14.8 | 16.9 | 19.7 | 21.4 | 22.4 | 23.2 | 23.5 | 23.5 | 23.7 | 23.9 | 23.9 | 23.9 | 24.0 | 24.0 | 24.0 | 24.1 |
| 15.6 | 17.8 | 20.8 | 22.6 | 23.6 | 24.5 | 24.8 | 24.8 | 25.0 | 25.2 | 25.2 | 25.2 | 25.3 | 25.3 | 25.3 | 25.4 |
| 17.3 | 19.6 | 23.2 | 25.2 | 26.3 | 27.5 | 27.8 | 27.8 | 28.0 | 28.1 | 28.1 | 28.2 | 28.3 | 28.3 | 28.3 | 28.4 |
| 18.5 | 21.3 | 24.8 | 27.1 | 28.3 | 29.6 | 29.9 | 30.0 | 30.2 | 30.4 | 30.4 | 30.5 | 30.5 | 30.5 | 30.5 | 30.7 |
| 19.3 | 22.3 | 25.9 | 28.3 | 29.5 | 30.8 | 31.1 | 31.2 | 31.3 | 31.5 | 31.5 | 31.6 | 31.6 | 31.6 | 31.9 | 32.0 |
| 20.3 | 23.6 | 27.4 | 30.0 | 31.4 | 32.7 | 33.0 | 33.1 | 33.4 | 33.7 | 33.7 | 33.8 | 33.9 | 33.9 | 33.9 | 34.0 |
| 20.7 | 24.2 | 28.3 | 31.0 | 32.6 | 33.9 | 34.4 | 34.4 | 34.8 | 35.1 | 35.1 | 35.1 | 35.2 | 35.2 | 35.2 | 35.3 |
| 22.0 | 25.8 | 30.3 | 33.1 | 35.0 | 36.3 | 36.8 | 36.9 | 37.3 | 37.7 | 37.7 | 37.9 | 38.0 | 38.0 | 38.0 | 38.2 |
| 24.2 | 28.3 | 33.2 | 36.4 | 38.3 | 39.8 | 40.3 | 40.3 | 41.1 | 41.3 | 41.6 | 41.7 | 41.8 | 41.8 | 41.8 | 42.0 |
| 26.3 | 30.9 | 35.9 | 39.2 | 41.2 | 42.9 | 43.7 | 43.8 | 44.4 | 45.0 | 45.1 | 45.2 | 45.3 | 45.3 | 45.3 | 45.3 |
| 30.0 | 35.1 | 40.1 | 43.8 | 45.7 | 47.7 | 48.6 | 48.7 | 49.3 | 49.9 | 50.1 | 50.3 | 50.3 | 50.3 | 50.3 | 50.5 |
| 33.1 | 38.7 | 44.4 | 48.3 | 50.3 | 52.7 | 53.9 | 54.3 | 55.1 | 55.8 | 56.0 | 56.1 | 56.2 | 56.2 | 56.2 | 56.4 |
| 34.2 | 40.3 | 46.7 | 50.8 | 53.0 | 55.3 | 56.5 | 56.9 | 57.7 | 58.4 | 58.6 | 58.8 | 58.9 | 58.9 | 58.9 | 59.1 |
| 36.4 | 43.2 | 50.3 | 54.9 | 57.3 | 60.0 | 61.2 | 61.7 | 62.6 | 63.5 | 63.7 | 63.9 | 64.0 | 64.0 | 64.0 | 64.2 |
| 38.6 | 46.7 | 54.6 | 60.3 | 63.4 | 66.5 | 67.8 | 68.3 | 69.6 | 70.4 | 70.8 | 70.9 | 71.1 | 71.1 | 71.1 | 71.3 |
| 39.3 | 48.2 | 56.9 | 63.7 | 66.9 | 70.2 | 72.0 | 72.9 | 74.1 | 75.0 | 75.3 | 75.5 | 75.7 | 75.7 | 75.7 | 75.9 |
| 39.9 | 48.8 | 58.2 | 66.1 | 69.3 | 73.0 | 75.2 | 76.1 | 77.3 | 78.3 | 78.6 | 78.8 | 79.0 | 79.0 | 79.0 | 79.2 |
| 40.2 | 49.3 | 59.5 | 68.1 | 72.2 | 76.3 | 78.7 | 79.7 | 81.1 | 82.1 | 82.4 | 82.6 | 82.9 | 82.9 | 82.9 | 83.1 |
| 40.3 | 49.9 | 60.0 | 68.8 | 73.3 | 77.7 | 80.3 | 81.6 | 83.1 | 84.1 | 84.6 | 84.8 | 85.0 | 85.1 | 85.1 | 85.3 |
| 40.3 | 50.0 | 60.2 | 69.3 | 74.0 | 78.6 | 81.8 | 82.9 | 84.6 | 85.7 | 86.2 | 86.6 | 86.8 | 86.9 | 86.9 | 87.2 |
| 40.7 | 50.3 | 60.8 | 70.1 | 75.7 | 80.3 | 84.2 | 85.3 | 87.3 | 88.9 | 89.3 | 89.9 | 90.3 | 90.3 | 90.3 | 90.6 |
| 40.7 | 50.3 | 60.8 | 70.3 | 76.3 | 81.6 | 85.6 | 87.0 | 89.5 | 91.1 | 91.8 | 92.3 | 92.0 | 92.1 | 92.1 | 92.3 |
| 40.7 | 50.3 | 60.8 | 70.4 | 76.8 | 82.0 | 86.3 | 87.7 | 90.8 | 92.6 | 93.6 | 94.3 | 95.1 | 95.2 | 95.2 | 95.6 |
| 40.7 | 50.3 | 60.8 | 70.4 | 76.6 | 82.2 | 86.5 | 88.0 | 91.2 | 93.2 | 94.4 | 95.4 | 96.6 | 96.7 | 96.7 | 98.4 |
| 40.7 | 50.3 | 60.8 | 70.4 | 76.6 | 82.2 | 86.5 | 88.0 | 91.2 | 93.3 | 94.4 | 95.6 | 97.0 | 97.0 | 97.0 | 99.9 |
| 40.7 | 50.3 | 60.8 | 70.4 | 76.6 | 82.2 | 86.5 | 88.0 | 91.2 | 93.3 | 94.4 | 95.6 | 97.0 | 97.0 | 97.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1342

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

ACV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 12.7 | 14.3 | 16.4 | 18.1 | 18.4 | 18.8 | 19.4 | 19.5 | 19.5 | 19.6 | 19.6 | 19.7 | 19.7 | 19.7 | 19.8 |
| 17.3 | 19.6 | 22.3 | 24.3 | 24.9 | 25.4 | 26.1 | 26.2 | 26.4 | 26.6 | 26.8 | 26.9 | 26.9 | 26.9 | 27.0 |
| 17.3 | 19.7 | 22.4 | 24.4 | 24.9 | 25.4 | 26.2 | 26.4 | 26.6 | 26.8 | 26.9 | 26.9 | 27.0 | 27.0 | 27.1 |
| 17.3 | 19.7 | 22.5 | 24.5 | 25.0 | 25.5 | 26.3 | 26.5 | 26.7 | 26.9 | 26.9 | 27.0 | 27.1 | 27.1 | 27.1 |
| 17.5 | 19.9 | 22.6 | 24.7 | 25.3 | 25.8 | 26.6 | 26.8 | 27.0 | 27.2 | 27.2 | 27.3 | 27.4 | 27.4 | 27.4 |
| 18.6 | 21.1 | 23.8 | 26.0 | 26.6 | 27.2 | 28.1 | 28.3 | 28.5 | 28.7 | 28.8 | 28.9 | 28.9 | 28.9 | 29.0 |
| 19.5 | 22.1 | 25.0 | 27.2 | 27.9 | 28.6 | 29.6 | 29.8 | 30.1 | 30.3 | 30.4 | 30.4 | 30.5 | 30.5 | 30.6 |
| 20.2 | 22.8 | 25.8 | 28.3 | 28.9 | 29.8 | 30.9 | 31.1 | 31.4 | 31.6 | 31.7 | 31.7 | 31.8 | 31.8 | 31.8 |
| 21.7 | 24.7 | 28.0 | 30.7 | 31.3 | 32.5 | 33.5 | 33.9 | 34.2 | 34.4 | 34.4 | 34.5 | 34.6 | 34.6 | 34.6 |
| 23.6 | 26.8 | 30.2 | 33.2 | 34.1 | 35.1 | 36.2 | 36.6 | 36.9 | 37.2 | 37.2 | 37.3 | 37.4 | 37.4 | 37.5 |
| 24.3 | 27.9 | 31.5 | 34.4 | 35.3 | 36.5 | 37.7 | 38.1 | 38.4 | 38.6 | 38.7 | 38.8 | 38.9 | 38.9 | 39.0 |
| 26.3 | 30.3 | 33.9 | 37.0 | 38.1 | 39.2 | 40.4 | 40.7 | 41.2 | 41.7 | 41.7 | 41.9 | 42.1 | 42.1 | 42.1 |
| 27.2 | 31.2 | 35.1 | 38.4 | 39.4 | 40.6 | 41.8 | 42.1 | 42.7 | 43.1 | 43.2 | 43.4 | 43.6 | 43.6 | 43.6 |
| 29.5 | 33.3 | 37.6 | 40.8 | 41.9 | 43.2 | 44.6 | 45.0 | 45.8 | 46.3 | 46.4 | 46.6 | 46.8 | 46.8 | 46.9 |
| 31.2 | 35.3 | 39.9 | 43.2 | 44.7 | 46.0 | 47.4 | 47.9 | 48.7 | 49.3 | 49.3 | 49.5 | 49.7 | 49.7 | 49.8 |
| 32.9 | 37.3 | 42.0 | 45.9 | 47.3 | 48.9 | 50.5 | 50.9 | 51.9 | 52.5 | 52.6 | 52.8 | 53.0 | 53.0 | 53.1 |
| 35.9 | 41.3 | 46.1 | 50.0 | 51.5 | 53.2 | 55.0 | 55.4 | 56.4 | 57.0 | 57.1 | 57.3 | 57.6 | 57.6 | 57.7 |
| 39.4 | 45.9 | 51.0 | 55.6 | 57.4 | 59.4 | 61.2 | 61.7 | 62.8 | 63.5 | 63.6 | 63.8 | 64.1 | 64.1 | 64.1 |
| 40.3 | 47.3 | 52.9 | 57.9 | 59.8 | 61.9 | 63.8 | 64.3 | 65.4 | 66.1 | 66.1 | 66.4 | 66.7 | 66.7 | 66.7 |
| 41.3 | 48.7 | 53.4 | 58.4 | 60.4 | 62.4 | 64.4 | 64.8 | 65.8 | 66.5 | 66.6 | 66.9 | 67.1 | 67.1 | 67.2 |
| 42.8 | 50.6 | 57.9 | 63.0 | 67.5 | 70.6 | 72.9 | 73.7 | 75.1 | 75.9 | 76.0 | 76.2 | 76.5 | 76.6 | 76.6 |
| 43.2 | 51.2 | 59.1 | 67.1 | 69.8 | 72.1 | 75.5 | 76.2 | 78.0 | 78.7 | 78.8 | 79.2 | 79.4 | 79.5 | 79.5 |
| 43.4 | 51.7 | 59.9 | 68.2 | 71.2 | 73.0 | 77.3 | 78.4 | 80.2 | 81.0 | 81.1 | 81.4 | 81.7 | 81.9 | 81.9 |
| 43.7 | 52.2 | 60.8 | 69.6 | 73.1 | 77.4 | 80.4 | 81.4 | 83.2 | 84.1 | 84.2 | 84.5 | 84.8 | 85.0 | 85.0 |
| 43.9 | 52.6 | 61.4 | 71.0 | 74.6 | 79.3 | 82.3 | 83.6 | 85.6 | 86.8 | 87.0 | 87.3 | 87.4 | 87.8 | 87.8 |
| 44.0 | 52.8 | 61.7 | 71.7 | 75.3 | 80.6 | 84.3 | 85.4 | 87.5 | 88.8 | 89.0 | 89.3 | 89.7 | 89.9 | 90.0 |
| 44.0 | 52.8 | 61.9 | 71.9 | 76.0 | 81.8 | 85.6 | 86.9 | 89.0 | 90.3 | 90.7 | 91.4 | 91.8 | 92.0 | 92.1 |
| 44.0 | 52.8 | 61.9 | 72.0 | 76.1 | 82.2 | 86.1 | 87.6 | 90.4 | 91.9 | 92.6 | 93.4 | 93.9 | 94.0 | 94.4 |
| 44.0 | 52.8 | 61.9 | 72.0 | 76.2 | 82.4 | 86.6 | 88.2 | 91.3 | 93.1 | 93.8 | 94.9 | 95.3 | 95.7 | 96.3 |
| 44.0 | 52.8 | 61.9 | 72.0 | 76.3 | 82.6 | 86.8 | 88.3 | 91.6 | 93.9 | 94.8 | 95.9 | 97.0 | 97.2 | 98.4 |
| 44.0 | 52.8 | 61.9 | 72.0 | 76.3 | 82.6 | 86.8 | 88.3 | 91.7 | 94.0 | 94.9 | 96.1 | 97.4 | 97.7 | 99.8 |
| 44.0 | 52.8 | 61.9 | 72.0 | 76.3 | 82.6 | 86.8 | 88.3 | 91.7 | 94.0 | 94.9 | 96.1 | 97.4 | 97.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1545

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-67

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

| | | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | 9.9 | 13.6 | 15.9 | 18.1 | 19.9 | 21.9 | 22.4 | 23.0 | 23.3 | 23.3 | 23.3 | 23.4 | 23.4 | 23.4 | 24.1 |
| | 12.9 | 17.0 | 19.6 | 22.7 | 25.0 | 27.3 | 27.8 | 28.4 | 28.9 | 29.0 | 29.1 | 29.2 | 29.3 | 29.3 | 30.1 |
| | 12.9 | 17.0 | 19.6 | 22.7 | 25.0 | 27.3 | 27.8 | 28.4 | 28.9 | 29.0 | 29.1 | 29.2 | 29.3 | 29.3 | 30.1 |
| | 12.9 | 17.0 | 19.6 | 22.7 | 25.0 | 27.3 | 27.8 | 28.4 | 28.9 | 29.0 | 29.1 | 29.2 | 29.3 | 29.3 | 30.1 |
| | 12.9 | 17.1 | 19.7 | 22.7 | 25.0 | 27.3 | 27.9 | 28.4 | 29.0 | 29.1 | 29.2 | 29.3 | 29.3 | 29.3 | 30.4 |
| | 13.4 | 17.6 | 20.2 | 23.4 | 25.7 | 28.1 | 28.7 | 29.3 | 29.9 | 30.1 | 30.1 | 30.2 | 30.3 | 30.3 | 31.3 |
| | 14.1 | 18.5 | 21.3 | 24.4 | 26.8 | 29.2 | 29.9 | 30.3 | 31.1 | 31.3 | 31.3 | 31.4 | 31.5 | 31.5 | 32.5 |
| | 14.8 | 19.2 | 21.9 | 25.1 | 27.6 | 30.0 | 30.9 | 31.5 | 32.1 | 32.2 | 32.3 | 32.4 | 32.4 | 32.4 | 33.5 |
| | 15.6 | 20.1 | 23.1 | 26.8 | 29.3 | 31.9 | 32.9 | 33.6 | 34.2 | 34.4 | 34.4 | 34.6 | 34.7 | 34.7 | 35.7 |
| | 17.3 | 21.9 | 25.0 | 29.1 | 31.7 | 34.4 | 35.5 | 36.3 | 36.9 | 37.1 | 37.2 | 37.3 | 37.4 | 37.4 | 38.4 |
| | 18.6 | 23.1 | 26.4 | 30.6 | 33.4 | 36.2 | 37.6 | 38.4 | 39.0 | 39.2 | 39.3 | 39.4 | 39.5 | 39.5 | 40.5 |
| | 19.9 | 24.4 | 28.0 | 32.4 | 35.4 | 38.7 | 40.0 | 40.9 | 41.8 | 42.1 | 42.2 | 42.4 | 42.5 | 42.5 | 43.6 |
| | 20.7 | 25.4 | 29.3 | 34.1 | 37.1 | 40.4 | 41.8 | 42.7 | 43.7 | 44.1 | 44.1 | 44.3 | 44.4 | 44.4 | 45.5 |
| | 21.8 | 26.5 | 30.5 | 35.3 | 38.8 | 42.4 | 44.0 | 44.9 | 45.9 | 46.3 | 46.6 | 46.7 | 46.9 | 46.9 | 47.9 |
| | 22.6 | 27.6 | 31.9 | 37.0 | 40.7 | 44.3 | 46.0 | 46.9 | 47.9 | 48.7 | 48.7 | 49.0 | 49.1 | 49.1 | 50.1 |
| | 23.5 | 28.8 | 33.6 | 39.2 | 43.3 | 47.0 | 48.7 | 49.6 | 50.7 | 51.5 | 51.6 | 51.8 | 52.0 | 52.0 | 53.0 |
| | 25.3 | 31.0 | 36.4 | 42.7 | 47.3 | 51.3 | 53.2 | 54.1 | 55.2 | 56.0 | 56.1 | 56.3 | 56.5 | 56.5 | 57.6 |
| | 26.8 | 33.8 | 40.5 | 47.4 | 52.4 | 56.9 | 59.0 | 59.9 | 61.0 | 61.9 | 62.0 | 62.2 | 62.4 | 62.4 | 63.5 |
| | 27.0 | 34.1 | 41.3 | 48.5 | 53.6 | 58.3 | 60.4 | 61.5 | 62.6 | 63.4 | 63.6 | 63.8 | 64.0 | 64.0 | 65.0 |
| | 27.8 | 35.3 | 44.3 | 51.9 | 57.4 | 62.8 | 65.0 | 66.0 | 67.1 | 67.9 | 68.1 | 68.3 | 68.5 | 68.5 | 69.6 |
| | 29.5 | 37.6 | 47.2 | 56.1 | 62.9 | 68.0 | 71.4 | 72.5 | 73.8 | 74.7 | 74.8 | 75.0 | 75.3 | 75.3 | 76.3 |
| | 29.8 | 38.1 | 48.4 | 57.8 | 65.1 | 71.6 | 74.1 | 75.3 | 76.7 | 77.7 | 77.9 | 78.1 | 78.3 | 78.3 | 79.3 |
| | 30.0 | 38.4 | 49.0 | 58.9 | 66.6 | 73.3 | 76.1 | 77.4 | 78.8 | 79.9 | 80.0 | 80.2 | 80.4 | 80.4 | 81.5 |
| | 30.2 | 38.9 | 49.5 | 59.9 | 67.9 | 75.6 | 78.8 | 80.1 | 81.6 | 82.9 | 83.2 | 83.4 | 83.6 | 83.6 | 84.7 |
| | 30.2 | 39.0 | 49.6 | 60.3 | 69.0 | 77.1 | 80.5 | 81.8 | 83.3 | 84.8 | 85.1 | 85.3 | 85.6 | 85.6 | 86.6 |
| | 30.2 | 39.1 | 49.7 | 60.8 | 69.6 | 78.1 | 81.6 | 82.9 | 84.3 | 86.1 | 86.3 | 86.7 | 87.0 | 87.0 | 88.0 |
| | 30.3 | 39.3 | 49.9 | 61.1 | 70.0 | 78.9 | 83.0 | 84.4 | 86.2 | 87.9 | 88.5 | 88.7 | 89.0 | 89.0 | 90.0 |
| | 30.3 | 39.3 | 49.9 | 61.3 | 70.4 | 79.6 | 84.4 | 86.1 | 88.1 | 90.1 | 90.9 | 91.1 | 91.4 | 91.4 | 92.7 |
| | 30.3 | 39.3 | 49.9 | 61.3 | 70.7 | 79.9 | 85.2 | 87.0 | 89.2 | 91.9 | 92.7 | 92.9 | 93.3 | 93.3 | 95.1 |
| | 30.3 | 39.3 | 49.9 | 61.3 | 70.7 | 80.1 | 85.6 | 87.6 | 90.1 | 93.0 | 94.0 | 94.4 | 95.3 | 95.3 | 97.7 |
| | 30.3 | 39.3 | 49.9 | 61.3 | 70.7 | 80.1 | 85.6 | 87.6 | 90.1 | 93.0 | 94.0 | 94.6 | 95.9 | 96.1 | 98.7 |
| | 30.3 | 39.3 | 49.9 | 61.3 | 70.7 | 80.1 | 85.6 | 87.6 | 90.1 | 93.1 | 94.1 | 94.7 | 96.0 | 96.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1350

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

52-67

L2V

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 11.0 | 13.4 | 15.3 | 17.5 | 18.9 | 20.3 | 21.4 | 21.8 | 22.8 | 22.9 | 23.0 | 23.1 | 23.7 | 23.7 | 25.1 |
| 12.5 | 13.0 | 17.6 | 20.2 | 22.5 | 24.2 | 25.3 | 25.6 | 26.7 | 26.8 | 26.9 | 27.0 | 27.7 | 27.7 | 29.1 |
| 12.5 | 15.0 | 17.6 | 20.2 | 22.5 | 24.2 | 25.3 | 25.6 | 26.7 | 26.8 | 26.9 | 27.0 | 27.7 | 27.7 | 29.1 |
| 12.6 | 15.1 | 17.6 | 20.3 | 22.5 | 24.3 | 25.4 | 25.7 | 26.8 | 26.9 | 27.0 | 27.1 | 27.7 | 27.7 | 29.1 |
| 12.7 | 15.2 | 17.7 | 20.4 | 22.6 | 24.4 | 25.4 | 25.8 | 26.8 | 27.0 | 27.1 | 27.1 | 27.8 | 27.8 | 29.2 |
| 13.1 | 15.6 | 18.2 | 20.8 | 23.1 | 24.8 | 25.9 | 26.2 | 27.3 | 27.4 | 27.5 | 27.6 | 28.2 | 28.2 | 29.7 |
| 13.6 | 16.2 | 18.7 | 21.3 | 23.6 | 25.4 | 26.4 | 26.8 | 27.8 | 27.9 | 28.1 | 28.2 | 28.8 | 28.8 | 30.2 |
| 14.5 | 17.1 | 19.7 | 22.4 | 24.6 | 26.4 | 27.4 | 27.8 | 28.8 | 29.0 | 29.2 | 29.3 | 29.9 | 29.9 | 31.4 |
| 15.6 | 18.9 | 22.0 | 25.0 | 27.3 | 29.1 | 30.2 | 30.6 | 31.8 | 31.9 | 32.2 | 32.2 | 32.9 | 32.9 | 34.3 |
| 16.1 | 21.4 | 24.8 | 28.2 | 30.8 | 32.7 | 33.8 | 34.2 | 35.6 | 35.7 | 36.0 | 36.0 | 36.7 | 36.7 | 38.1 |
| 19.0 | 22.5 | 26.1 | 29.6 | 32.5 | 34.7 | 35.9 | 36.5 | 37.8 | 38.0 | 38.2 | 38.3 | 38.9 | 38.9 | 40.3 |
| 20.0 | 23.7 | 27.6 | 31.3 | 34.5 | 37.2 | 38.4 | 39.3 | 40.7 | 40.8 | 41.2 | 41.2 | 42.0 | 42.0 | 43.4 |
| 20.8 | 24.8 | 28.7 | 32.8 | 36.3 | 39.2 | 40.4 | 41.4 | 42.8 | 43.0 | 43.4 | 43.6 | 44.4 | 44.4 | 45.8 |
| 21.4 | 25.4 | 29.5 | 33.8 | 37.8 | 41.3 | 42.6 | 43.6 | 45.0 | 45.2 | 45.7 | 45.9 | 46.7 | 46.7 | 48.1 |
| 21.9 | 25.9 | 30.5 | 34.8 | 38.8 | 42.5 | 44.2 | 45.1 | 46.6 | 46.8 | 47.3 | 47.4 | 48.3 | 48.3 | 49.7 |
| 23.2 | 27.5 | 32.4 | 36.8 | 41.5 | 45.5 | 47.3 | 48.3 | 49.7 | 50.0 | 50.5 | 50.7 | 51.5 | 51.5 | 53.1 |
| 24.7 | 29.7 | 35.5 | 40.9 | 46.3 | 51.1 | 52.9 | 53.8 | 55.3 | 55.7 | 56.3 | 56.5 | 57.3 | 57.3 | 58.9 |
| 26.3 | 31.9 | 38.7 | 44.3 | 50.2 | 55.2 | 57.2 | 58.1 | 59.7 | 60.1 | 60.6 | 60.9 | 61.7 | 61.7 | 63.2 |
| 27.1 | 32.6 | 40.0 | 45.8 | 52.0 | 57.2 | 59.2 | 60.1 | 61.7 | 62.1 | 62.6 | 62.9 | 63.7 | 63.7 | 65.2 |
| 27.8 | 33.7 | 41.9 | 48.0 | 54.5 | 60.0 | 62.0 | 62.9 | 64.7 | 65.2 | 65.8 | 66.0 | 66.9 | 66.9 | 68.5 |
| 28.2 | 34.6 | 44.0 | 51.1 | 58.4 | 64.2 | 66.4 | 67.4 | 69.2 | 69.7 | 70.3 | 70.5 | 71.3 | 71.4 | 72.9 |
| 28.6 | 35.0 | 45.7 | 52.9 | 61.5 | 67.8 | 70.1 | 71.2 | 73.0 | 73.6 | 74.2 | 74.4 | 75.2 | 75.3 | 76.9 |
| 28.8 | 35.6 | 46.0 | 54.6 | 62.4 | 69.5 | 71.9 | 73.0 | 74.8 | 75.4 | 76.0 | 76.2 | 77.0 | 77.1 | 78.7 |
| 28.7 | 35.8 | 46.4 | 55.7 | 64.0 | 71.8 | 74.2 | 75.3 | 77.2 | 77.9 | 78.5 | 78.8 | 79.6 | 79.7 | 81.2 |
| 28.9 | 36.2 | 47.1 | 56.9 | 65.8 | 73.8 | 76.3 | 77.5 | 79.4 | 80.1 | 80.7 | 81.0 | 81.8 | 81.9 | 83.5 |
| 29.0 | 36.7 | 47.5 | 57.6 | 66.6 | 74.9 | 77.6 | 78.9 | 80.9 | 81.9 | 82.7 | 83.0 | 83.8 | 83.8 | 85.4 |
| 29.1 | 36.8 | 47.7 | 58.0 | 67.3 | 76.2 | 79.0 | 80.5 | 82.6 | 83.3 | 84.5 | 84.9 | 85.7 | 85.8 | 87.3 |
| 29.1 | 36.9 | 47.8 | 58.3 | 68.1 | 77.6 | 80.9 | 82.4 | 84.9 | 86.1 | 87.2 | 87.5 | 88.4 | 88.4 | 90.0 |
| 29.1 | 37.0 | 47.9 | 58.4 | 68.4 | 78.7 | 82.2 | 83.8 | 86.4 | 88.3 | 89.7 | 90.1 | 91.0 | 91.1 | 92.6 |
| 29.1 | 37.0 | 47.9 | 58.4 | 68.4 | 78.9 | 82.7 | 84.3 | 87.0 | 89.3 | 90.7 | 91.2 | 92.2 | 92.4 | 93.9 |
| 29.2 | 37.1 | 48.0 | 58.5 | 68.5 | 79.1 | 82.8 | 84.4 | 87.8 | 89.8 | 91.3 | 92.0 | 93.0 | 93.8 | 95.3 |
| 29.2 | 37.1 | 48.0 | 58.5 | 68.5 | 79.1 | 82.8 | 84.4 | 87.8 | 89.9 | 91.4 | 92.1 | 94.3 | 94.4 | 95.9 |

TOTAL NUMBER OF OBSERVATIONS

1349

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-67

CEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

CGCC-020C

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 7.2 | 8.7 | 11.7 | 13.7 | 15.5 | 17.4 | 19.5 | 20.3 | 20.5 | 21.2 | 21.6 | 22.0 | 22.7 | 22.8 | 23.6 |
| 7.7 | 9.3 | 12.6 | 14.7 | 16.6 | 18.9 | 21.2 | 22.1 | 22.3 | 23.0 | 23.4 | 23.8 | 24.2 | 24.6 | 25.4 |
| 7.7 | 9.3 | 12.6 | 14.7 | 16.6 | 18.9 | 21.2 | 22.1 | 22.3 | 23.0 | 23.4 | 23.8 | 24.5 | 24.6 | 25.4 |
| 7.7 | 9.3 | 12.6 | 14.8 | 16.7 | 19.0 | 21.3 | 22.2 | 22.4 | 23.0 | 23.5 | 23.9 | 24.5 | 24.7 | 25.5 |
| 7.7 | 9.3 | 12.6 | 14.8 | 16.7 | 19.0 | 21.3 | 22.2 | 22.5 | 23.2 | 23.7 | 24.1 | 24.7 | 24.9 | 25.7 |
| 7.8 | 9.4 | 12.6 | 15.0 | 16.9 | 19.3 | 21.6 | 22.5 | 22.8 | 23.5 | 24.0 | 24.4 | 25.0 | 25.2 | 26.0 |
| 8.1 | 9.7 | 12.9 | 15.7 | 17.7 | 20.2 | 22.6 | 23.7 | 24.0 | 24.7 | 25.2 | 25.6 | 26.3 | 26.4 | 27.2 |
| 8.4 | 10.0 | 13.4 | 16.2 | 18.4 | 20.9 | 23.3 | 24.5 | 24.7 | 25.5 | 25.9 | 26.3 | 27.0 | 27.1 | 28.0 |
| 9.3 | 11.3 | 14.6 | 17.4 | 19.8 | 22.3 | 24.9 | 26.0 | 26.4 | 27.1 | 27.5 | 28.0 | 28.6 | 28.8 | 29.8 |
| 10.6 | 12.3 | 16.2 | 19.1 | 21.4 | 24.2 | 26.3 | 27.7 | 28.0 | 28.8 | 29.3 | 29.8 | 30.6 | 30.7 | 31.7 |
| 11.6 | 13.6 | 17.4 | 20.7 | 23.1 | 25.8 | 28.2 | 29.3 | 29.7 | 30.4 | 30.9 | 31.4 | 32.2 | 32.4 | 33.4 |
| 12.6 | 14.6 | 18.4 | 22.2 | 24.8 | 27.5 | 29.9 | 31.1 | 31.4 | 32.1 | 32.6 | 33.1 | 33.9 | 34.1 | 35.1 |
| 13.3 | 15.4 | 19.4 | 23.2 | 25.8 | 28.6 | 31.1 | 32.2 | 32.7 | 33.4 | 33.9 | 34.4 | 35.2 | 35.4 | 36.4 |
| 15.1 | 17.4 | 21.6 | 25.3 | 28.1 | 31.1 | 33.3 | 34.6 | 35.2 | 35.9 | 36.4 | 36.9 | 37.7 | 37.8 | 39.0 |
| 16.0 | 18.4 | 23.0 | 27.3 | 29.9 | 33.0 | 35.6 | 36.7 | 37.2 | 38.1 | 38.7 | 39.2 | 40.0 | 40.1 | 41.2 |
| 17.1 | 19.6 | 24.2 | 28.8 | 31.3 | 34.6 | 37.2 | 38.4 | 38.9 | 39.7 | 40.3 | 40.8 | 41.6 | 41.8 | 42.9 |
| 18.8 | 21.3 | 26.3 | 31.4 | 34.3 | 37.5 | 40.1 | 41.3 | 42.0 | 42.8 | 43.3 | 44.0 | 44.8 | 45.0 | 46.1 |
| 20.4 | 23.2 | 28.3 | 34.0 | 37.1 | 40.7 | 43.4 | 44.8 | 45.4 | 46.4 | 47.1 | 47.6 | 48.4 | 48.6 | 49.7 |
| 21.2 | 24.2 | 29.7 | 35.6 | 38.8 | 42.3 | 45.3 | 46.7 | 47.3 | 48.4 | 49.1 | 49.6 | 50.4 | 50.6 | 51.7 |
| 22.3 | 25.7 | 32.1 | 38.1 | 41.9 | 45.9 | 48.8 | 50.1 | 50.8 | 51.9 | 52.5 | 53.0 | 53.9 | 54.0 | 55.2 |
| 24.0 | 28.9 | 36.2 | 42.6 | 46.7 | 51.1 | 53.3 | 56.3 | 57.7 | 58.4 | 59.9 | 60.9 | 61.8 | 60.0 | 61.1 |
| 24.9 | 30.8 | 39.3 | 46.7 | 51.1 | 55.8 | 58.8 | 60.3 | 61.4 | 62.6 | 63.3 | 63.8 | 64.8 | 64.9 | 66.1 |
| 25.3 | 31.8 | 40.9 | 48.4 | 53.2 | 58.3 | 61.3 | 63.0 | 64.2 | 65.4 | 66.9 | 67.8 | 68.9 | 69.1 | 70.2 |
| 26.0 | 32.8 | 43.0 | 51.0 | 56.4 | 62.3 | 65.6 | 67.1 | 68.3 | 69.5 | 70.4 | 70.9 | 71.9 | 72.0 | 73.2 |
| 26.1 | 33.4 | 44.3 | 53.3 | 59.3 | 66.2 | 69.9 | 71.4 | 72.7 | 74.1 | 75.0 | 75.6 | 76.3 | 76.4 | 77.8 |
| 26.2 | 33.8 | 45.2 | 54.9 | 61.0 | 68.7 | 72.7 | 74.3 | 75.7 | 77.3 | 78.1 | 78.7 | 79.6 | 79.8 | 81.0 |
| 26.2 | 33.9 | 45.8 | 56.1 | 62.7 | 71.2 | 75.3 | 77.4 | 79.1 | 80.8 | 81.9 | 82.5 | 83.3 | 83.6 | 84.9 |
| 26.2 | 34.1 | 46.0 | 56.3 | 63.3 | 72.4 | 77.4 | 79.7 | 81.6 | 83.3 | 84.4 | 85.1 | 86.1 | 86.2 | 87.6 |
| 26.2 | 34.1 | 46.0 | 56.8 | 63.8 | 73.7 | 79.3 | 82.0 | 84.1 | 86.3 | 87.2 | 87.6 | 89.0 | 89.2 | 90.6 |
| 26.2 | 34.1 | 46.0 | 56.8 | 64.2 | 74.3 | 79.8 | 82.7 | 84.8 | 87.0 | 88.0 | 88.5 | 90.2 | 91.4 | 92.3 |
| 26.2 | 34.1 | 46.0 | 56.8 | 64.2 | 74.3 | 80.0 | 82.9 | 85.9 | 88.0 | 90.2 | 91.0 | 92.9 | 93.1 | 94.7 |
| 26.2 | 34.1 | 46.0 | 56.8 | 64.2 | 74.3 | 80.0 | 82.9 | 85.9 | 88.0 | 90.2 | 91.1 | 93.1 | 93.2 | 94.8 |

TOTAL NUMBER OF OBSERVATIONS

2394

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

59-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0800-0900

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 7.7 | 9.0 | 11.8 | 13.9 | 15.3 | 17.0 | 18.3 | 19.2 | 19.8 | 20.2 | 20.6 | 20.9 | 21.6 | 21.6 | 22.4 |
| 8.7 | 10.1 | 13.1 | 15.2 | 16.7 | 18.3 | 19.8 | 20.7 | 21.2 | 21.7 | 22.1 | 22.4 | 23.1 | 23.1 | 23.9 |
| 8.7 | 10.1 | 13.1 | 15.2 | 16.7 | 18.3 | 19.8 | 20.7 | 21.2 | 21.7 | 22.1 | 22.4 | 23.1 | 23.1 | 23.9 |
| 8.7 | 10.1 | 13.1 | 15.2 | 16.7 | 18.3 | 19.8 | 20.7 | 21.2 | 21.7 | 22.1 | 22.4 | 23.1 | 23.1 | 23.9 |
| 8.8 | 10.2 | 13.2 | 15.3 | 17.1 | 19.0 | 20.3 | 21.2 | 21.7 | 22.2 | 22.5 | 22.9 | 23.9 | 23.9 | 24.5 |
| 9.0 | 10.3 | 13.6 | 16.0 | 17.7 | 19.6 | 20.9 | 21.9 | 22.5 | 22.9 | 23.3 | 23.6 | 24.3 | 24.3 | 25.3 |
| 9.2 | 10.7 | 13.8 | 16.2 | 17.9 | 19.8 | 21.2 | 22.2 | 22.7 | 23.3 | 23.6 | 24.0 | 24.6 | 24.6 | 25.6 |
| 9.4 | 11.0 | 14.3 | 16.6 | 18.3 | 20.2 | 21.6 | 22.6 | 23.2 | 23.8 | 24.1 | 24.4 | 25.1 | 25.1 | 26.1 |
| 10.7 | 12.4 | 15.9 | 18.3 | 20.2 | 22.3 | 23.8 | 24.8 | 25.8 | 26.1 | 26.5 | 26.9 | 27.6 | 27.6 | 28.5 |
| 12.0 | 13.6 | 17.3 | 19.8 | 21.8 | 24.1 | 25.6 | 26.6 | 27.3 | 28.0 | 28.4 | 28.8 | 29.3 | 29.3 | 30.4 |
| 13.4 | 15.2 | 19.0 | 21.9 | 24.0 | 26.3 | 27.8 | 28.8 | 29.3 | 30.1 | 30.6 | 31.0 | 31.8 | 31.8 | 32.8 |
| 14.0 | 15.8 | 19.8 | 22.9 | 25.1 | 27.4 | 28.9 | 29.9 | 30.6 | 31.3 | 31.8 | 32.1 | 33.0 | 33.0 | 33.9 |
| 15.0 | 16.8 | 21.2 | 24.4 | 26.7 | 29.3 | 30.9 | 32.0 | 32.7 | 33.4 | 33.9 | 34.2 | 35.1 | 35.1 | 36.0 |
| 15.8 | 17.9 | 22.3 | 25.3 | 28.0 | 30.8 | 32.3 | 33.6 | 34.4 | 35.1 | 35.6 | 35.9 | 36.8 | 36.8 | 37.7 |
| 17.3 | 19.0 | 24.4 | 27.7 | 30.2 | 33.1 | 34.8 | 36.0 | 36.8 | 37.3 | 37.9 | 38.3 | 39.2 | 39.2 | 40.1 |
| 18.7 | 21.7 | 26.6 | 29.9 | 32.9 | 35.9 | 37.7 | 38.8 | 39.6 | 40.3 | 40.8 | 41.1 | 42.0 | 42.0 | 43.0 |
| 20.3 | 23.7 | 29.3 | 32.9 | 35.8 | 39.0 | 40.9 | 42.1 | 42.9 | 43.6 | 44.1 | 44.5 | 45.3 | 45.3 | 46.3 |
| 21.8 | 24.8 | 30.6 | 34.4 | 37.7 | 41.0 | 42.9 | 44.1 | 44.9 | 45.6 | 46.0 | 46.4 | 47.3 | 47.3 | 48.3 |
| 22.3 | 26.6 | 33.1 | 37.1 | 40.8 | 44.3 | 46.2 | 47.4 | 48.3 | 49.0 | 49.3 | 49.9 | 50.8 | 50.8 | 51.7 |
| 24.7 | 30.6 | 38.2 | 42.4 | 46.7 | 50.8 | 53.0 | 54.3 | 55.3 | 56.0 | 56.3 | 57.0 | 57.8 | 57.8 | 58.9 |
| 25.9 | 32.6 | 40.9 | 45.6 | 50.1 | 54.6 | 57.0 | 58.3 | 59.6 | 60.4 | 60.9 | 61.4 | 62.3 | 62.3 | 63.4 |
| 26.3 | 33.7 | 42.7 | 47.9 | 52.7 | 57.8 | 59.1 | 61.4 | 62.7 | 63.8 | 64.0 | 64.3 | 65.4 | 65.4 | 66.6 |
| 27.0 | 34.3 | 43.9 | 49.9 | 53.1 | 60.4 | 63.1 | 64.6 | 65.9 | 66.7 | 67.2 | 67.7 | 68.6 | 68.6 | 69.8 |
| 27.2 | 35.4 | 45.1 | 52.3 | 55.3 | 63.3 | 66.1 | 67.9 | 71.1 | 72.2 | 72.7 | 73.2 | 74.1 | 74.1 | 75.3 |
| 27.3 | 36.1 | 46.2 | 54.1 | 60.4 | 67.9 | 71.2 | 73.0 | 74.3 | 75.8 | 76.3 | 76.8 | 77.9 | 77.9 | 79.0 |
| 27.3 | 36.3 | 46.8 | 55.2 | 61.7 | 69.0 | 73.3 | 75.2 | 76.8 | 78.3 | 79.0 | 79.5 | 80.9 | 80.9 | 82.1 |
| 27.3 | 36.3 | 47.0 | 55.6 | 62.6 | 71.9 | 76.1 | 78.3 | 80.4 | 82.2 | 82.7 | 83.3 | 84.7 | 84.7 | 86.0 |
| 27.4 | 36.3 | 47.3 | 56.1 | 63.3 | 73.7 | 78.8 | 81.1 | 83.6 | 85.6 | 86.2 | 86.8 | 88.3 | 88.3 | 89.8 |
| 27.4 | 36.3 | 47.3 | 56.1 | 63.3 | 74.1 | 79.4 | 82.2 | 85.3 | 88.1 | 88.8 | 89.3 | 91.3 | 91.3 | 94.0 |
| 27.4 | 36.3 | 47.3 | 56.1 | 63.3 | 74.1 | 79.4 | 82.3 | 85.3 | 88.8 | 89.3 | 90.6 | 93.4 | 93.7 | 97.8 |
| 27.4 | 36.3 | 47.3 | 56.1 | 63.3 | 74.1 | 79.4 | 82.4 | 85.3 | 88.9 | 90.0 | 90.6 | 93.6 | 93.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1473

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAJ

CEILING VERSUS VISIBILITY

34096 SEMBACH AB GERMANY

52-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0400-0800

| | | | | | | | | | | | | | | | |
|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1 | 7.3 | 8.7 | 10.4 | 12.5 | 13.4 | 14.8 | 16.2 | 16.7 | 17.1 | 17.5 | 17.6 | 17.7 | 18.5 | 18.6 | 20.1 |
| 2 | 7.9 | 9.3 | 11.0 | 13.2 | 14.1 | 15.6 | 17.1 | 17.7 | 18.1 | 18.6 | 18.7 | 18.9 | 19.7 | 19.7 | 21.5 |
| 3 | 7.9 | 9.3 | 11.0 | 13.2 | 14.1 | 15.6 | 17.1 | 17.7 | 18.1 | 18.6 | 18.7 | 18.9 | 19.7 | 19.7 | 21.5 |
| 4 | 8.1 | 9.4 | 11.1 | 13.3 | 14.3 | 15.7 | 17.2 | 17.8 | 18.3 | 18.7 | 18.8 | 19.0 | 19.8 | 19.9 | 21.6 |
| 5 | 8.3 | 9.6 | 11.4 | 13.6 | 14.7 | 16.2 | 17.6 | 18.3 | 18.7 | 19.2 | 19.2 | 19.4 | 20.2 | 20.3 | 22.0 |
| 6 | 8.6 | 10.0 | 11.7 | 14.0 | 15.1 | 16.6 | 18.2 | 18.8 | 19.2 | 19.7 | 19.8 | 20.0 | 20.8 | 20.8 | 22.6 |
| 7 | 9.0 | 10.5 | 12.5 | 14.8 | 16.0 | 17.5 | 19.1 | 19.7 | 20.2 | 20.8 | 20.9 | 21.1 | 21.9 | 22.0 | 23.8 |
| 8 | 9.5 | 11.3 | 13.3 | 15.6 | 16.8 | 18.4 | 20.0 | 20.7 | 21.1 | 21.8 | 21.9 | 22.1 | 22.9 | 23.0 | 24.8 |
| 9 | 10.0 | 11.8 | 14.1 | 16.7 | 18.3 | 19.9 | 21.5 | 22.2 | 22.6 | 23.3 | 23.6 | 23.8 | 24.6 | 24.7 | 26.6 |
| 10 | 10.0 | 13.0 | 15.4 | 18.1 | 19.6 | 21.2 | 22.9 | 23.6 | 24.0 | 24.9 | 25.0 | 25.2 | 26.1 | 26.2 | 28.0 |
| 11 | 11.9 | 14.3 | 16.9 | 20.1 | 21.8 | 23.4 | 25.1 | 25.8 | 26.3 | 27.2 | 27.4 | 27.6 | 28.5 | 28.6 | 30.4 |
| 12 | 12.0 | 14.6 | 17.2 | 20.6 | 22.4 | 24.0 | 25.8 | 26.4 | 26.9 | 27.8 | 28.0 | 28.3 | 29.2 | 29.3 | 31.1 |
| 13 | 12.8 | 15.5 | 18.2 | 21.9 | 23.7 | 25.7 | 27.5 | 28.2 | 28.7 | 29.7 | 29.8 | 30.1 | 31.0 | 31.1 | 32.9 |
| 14 | 14.0 | 17.1 | 20.0 | 23.8 | 25.8 | 27.7 | 29.6 | 30.3 | 30.8 | 31.8 | 31.9 | 32.2 | 33.1 | 33.2 | 35.0 |
| 15 | 15.6 | 19.0 | 22.1 | 26.1 | 28.0 | 30.3 | 32.3 | 33.0 | 33.6 | 34.6 | 34.7 | 35.0 | 36.0 | 36.0 | 37.9 |
| 16 | 18.0 | 21.9 | 25.3 | 29.7 | 31.8 | 34.1 | 36.2 | 37.1 | 37.7 | 38.7 | 38.8 | 39.2 | 40.1 | 40.1 | 42.0 |
| 17 | 20.3 | 24.6 | 28.8 | 33.3 | 35.6 | 38.0 | 40.1 | 41.0 | 41.7 | 42.7 | 42.8 | 43.2 | 44.1 | 44.2 | 46.0 |
| 18 | 21.1 | 25.8 | 30.2 | 34.7 | 37.2 | 39.8 | 42.0 | 42.9 | 43.7 | 44.7 | 44.9 | 45.2 | 46.2 | 46.2 | 48.1 |
| 19 | 21.9 | 26.9 | 32.1 | 36.8 | 39.4 | 42.2 | 44.6 | 45.5 | 46.3 | 47.4 | 47.6 | 47.9 | 48.9 | 48.9 | 50.8 |
| 20 | 24.2 | 30.5 | 36.6 | 41.9 | 45.2 | 48.5 | 51.1 | 52.1 | 52.9 | 54.0 | 54.2 | 54.6 | 55.6 | 55.7 | 57.5 |
| 21 | 25.3 | 32.8 | 39.8 | 45.5 | 49.4 | 53.1 | 55.9 | 57.1 | 58.1 | 59.3 | 59.6 | 60.0 | 61.1 | 61.2 | 63.0 |
| 22 | 25.9 | 33.6 | 41.2 | 48.1 | 52.6 | 56.4 | 59.6 | 60.8 | 62.0 | 63.2 | 63.6 | 63.9 | 65.0 | 65.1 | 66.9 |
| 23 | 26.4 | 34.6 | 43.1 | 50.9 | 55.9 | 60.2 | 63.7 | 65.1 | 66.3 | 67.5 | 67.9 | 68.3 | 69.3 | 69.5 | 71.4 |
| 24 | 27.1 | 35.9 | 45.1 | 53.8 | 59.2 | 64.1 | 67.9 | 69.6 | 71.1 | 72.5 | 72.8 | 73.2 | 74.4 | 74.4 | 76.3 |
| 25 | 27.4 | 36.5 | 46.2 | 55.6 | 61.6 | 66.7 | 70.9 | 72.6 | 74.2 | 75.8 | 76.2 | 76.5 | 77.7 | 77.8 | 79.6 |
| 26 | 27.4 | 36.6 | 46.8 | 56.6 | 62.8 | 68.7 | 73.0 | 74.7 | 76.6 | 78.2 | 78.7 | 79.0 | 80.4 | 80.5 | 82.3 |
| 27 | 27.5 | 36.8 | 47.0 | 57.3 | 63.9 | 71.2 | 75.7 | 77.6 | 79.9 | 81.6 | 82.1 | 82.4 | 83.8 | 83.8 | 85.7 |
| 28 | 27.5 | 36.9 | 47.1 | 57.7 | 64.7 | 72.3 | 77.7 | 80.0 | 82.8 | 85.2 | 85.7 | 86.3 | 87.7 | 87.8 | 89.9 |
| 29 | 27.5 | 36.9 | 47.1 | 57.7 | 64.7 | 72.4 | 78.1 | 80.6 | 83.8 | 87.0 | 87.9 | 88.6 | 90.3 | 91.1 | 93.9 |
| 30 | 27.5 | 36.9 | 47.1 | 57.7 | 64.7 | 72.5 | 78.2 | 80.7 | 84.0 | 87.6 | 88.7 | 89.7 | 92.9 | 93.8 | 97.9 |
| 31 | 27.5 | 36.9 | 47.1 | 57.7 | 64.7 | 72.5 | 78.2 | 80.7 | 84.0 | 87.7 | 88.9 | 90.0 | 93.6 | 94.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1627

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 6.0 | 7.5 | 9.1 | 10.7 | 12.0 | 13.1 | 13.8 | 14.2 | 14.6 | 14.8 | 15.0 | 15.2 | 15.3 | 15.3 | 16.3 |
| 7.4 | 9.2 | 11.3 | 12.9 | 14.3 | 15.6 | 16.5 | 17.1 | 17.7 | 17.9 | 18.2 | 18.4 | 18.6 | 18.7 | 19.8 |
| 7.4 | 9.3 | 11.4 | 13.0 | 14.4 | 15.7 | 16.5 | 17.2 | 17.7 | 18.0 | 18.2 | 18.5 | 18.7 | 18.7 | 19.9 |
| 7.6 | 9.4 | 11.5 | 13.1 | 14.5 | 15.8 | 16.6 | 17.3 | 17.9 | 18.1 | 18.4 | 18.6 | 18.8 | 18.8 | 20.0 |
| 7.7 | 9.5 | 11.6 | 13.2 | 14.6 | 16.0 | 16.8 | 17.5 | 18.1 | 18.4 | 18.6 | 18.8 | 19.0 | 19.1 | 20.3 |
| 7.9 | 9.8 | 11.8 | 13.5 | 15.0 | 16.5 | 17.3 | 18.0 | 18.6 | 18.8 | 19.1 | 19.3 | 19.5 | 19.6 | 20.7 |
| 8.2 | 10.2 | 12.3 | 14.1 | 15.7 | 17.1 | 18.0 | 18.7 | 19.3 | 19.5 | 19.8 | 20.0 | 20.2 | 20.3 | 21.4 |
| 8.4 | 10.4 | 12.6 | 14.4 | 16.0 | 17.7 | 18.6 | 19.3 | 20.0 | 20.3 | 20.6 | 20.8 | 21.0 | 21.1 | 22.3 |
| 9.0 | 11.2 | 13.4 | 15.2 | 16.9 | 18.7 | 19.5 | 20.2 | 20.9 | 21.2 | 21.5 | 21.7 | 21.9 | 22.0 | 23.2 |
| 9.7 | 12.0 | 14.4 | 16.3 | 18.0 | 20.0 | 21.1 | 21.8 | 22.5 | 22.8 | 23.1 | 23.3 | 23.5 | 23.6 | 24.9 |
| 10.7 | 13.0 | 15.5 | 17.4 | 19.2 | 21.4 | 22.5 | 23.2 | 23.9 | 24.2 | 24.5 | 24.7 | 25.0 | 25.0 | 26.3 |
| 11.7 | 14.4 | 16.9 | 18.8 | 20.6 | 22.8 | 23.9 | 24.7 | 25.4 | 25.7 | 26.0 | 26.3 | 26.6 | 26.6 | 28.1 |
| 12.2 | 14.9 | 17.4 | 19.3 | 21.3 | 23.5 | 24.7 | 25.4 | 26.2 | 26.5 | 26.8 | 27.2 | 27.5 | 27.6 | 29.0 |
| 12.8 | 15.6 | 18.2 | 20.3 | 22.2 | 24.4 | 25.7 | 26.6 | 27.4 | 27.7 | 28.1 | 28.5 | 28.8 | 28.9 | 30.3 |
| 13.5 | 16.7 | 19.3 | 21.5 | 23.4 | 25.8 | 27.1 | 28.1 | 29.0 | 29.4 | 29.8 | 30.2 | 30.5 | 30.6 | 32.0 |
| 14.9 | 18.3 | 21.1 | 23.4 | 25.4 | 27.9 | 29.4 | 30.4 | 31.5 | 31.9 | 32.3 | 32.7 | 33.0 | 33.1 | 34.5 |
| 17.3 | 21.0 | 24.0 | 26.6 | 28.5 | 31.4 | 33.1 | 34.1 | 35.2 | 35.7 | 36.2 | 36.6 | 36.9 | 37.0 | 38.4 |
| 19.8 | 23.9 | 27.8 | 30.8 | 32.8 | 35.7 | 37.6 | 38.6 | 39.8 | 40.3 | 40.7 | 41.1 | 41.4 | 41.5 | 42.9 |
| 20.6 | 24.9 | 29.0 | 32.1 | 34.1 | 37.1 | 38.9 | 40.1 | 41.4 | 41.9 | 42.3 | 42.7 | 43.0 | 43.1 | 44.5 |
| 22.5 | 27.4 | 32.0 | 35.7 | 37.9 | 41.2 | 43.2 | 44.6 | 46.0 | 46.6 | 47.1 | 47.6 | 47.9 | 47.9 | 49.4 |
| 24.8 | 30.9 | 36.3 | 41.3 | 43.9 | 47.3 | 49.4 | 50.9 | 52.4 | 53.1 | 53.6 | 54.1 | 54.5 | 54.6 | 56.1 |
| 26.0 | 32.8 | 38.8 | 44.6 | 47.3 | 50.9 | 52.9 | 54.5 | 56.2 | 57.0 | 57.6 | 58.1 | 58.6 | 58.7 | 60.2 |
| 26.6 | 33.8 | 40.0 | 46.7 | 49.3 | 53.2 | 55.2 | 57.0 | 58.7 | 59.7 | 60.2 | 60.9 | 61.4 | 61.5 | 63.0 |
| 27.4 | 35.2 | 42.6 | 50.1 | 53.3 | 57.3 | 59.9 | 61.9 | 63.8 | 64.9 | 65.5 | 66.2 | 66.7 | 66.9 | 68.3 |
| 28.3 | 36.9 | 44.8 | 54.0 | 57.3 | 62.2 | 64.7 | 67.0 | 69.3 | 70.9 | 71.7 | 72.6 | 73.1 | 73.2 | 74.7 |
| 28.3 | 37.4 | 45.9 | 55.4 | 59.2 | 64.2 | 67.0 | 69.6 | 72.4 | 74.3 | 75.2 | 76.5 | 77.1 | 77.2 | 78.7 |
| 28.7 | 37.7 | 46.7 | 56.7 | 60.7 | 66.2 | 69.3 | 72.3 | 75.7 | 78.0 | 79.1 | 80.4 | 81.2 | 81.4 | 83.2 |
| 28.7 | 37.8 | 46.8 | 57.4 | 61.8 | 67.6 | 71.4 | 74.4 | 78.5 | 81.2 | 82.3 | 83.7 | 84.5 | 84.8 | 86.9 |
| 28.7 | 37.8 | 46.8 | 57.5 | 62.0 | 68.1 | 72.3 | 75.4 | 80.0 | 83.3 | 85.4 | 87.2 | 88.0 | 88.3 | 90.7 |
| 28.7 | 37.8 | 46.8 | 57.5 | 62.0 | 68.2 | 72.4 | 75.7 | 80.3 | 84.2 | 87.1 | 89.2 | 91.0 | 91.3 | 93.4 |
| 28.7 | 37.8 | 46.8 | 57.5 | 62.0 | 68.2 | 72.4 | 75.7 | 80.3 | 84.4 | 87.4 | 89.9 | 92.4 | 92.7 | 95.8 |
| 28.9 | 37.9 | 47.0 | 57.6 | 62.1 | 68.3 | 72.6 | 75.8 | 80.4 | 84.5 | 87.6 | 90.1 | 92.8 | 93.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1629

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

59-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 8.3 | 10.5 | 12.6 | 14.3 | 15.1 | 15.8 | 16.1 | 16.5 | 16.9 | 17.1 | 17.2 | 17.2 | 17.5 | 17.5 | 17.7 |
| 9.7 | 12.3 | 13.1 | 17.2 | 18.1 | 18.8 | 19.3 | 19.7 | 20.1 | 20.3 | 20.6 | 20.6 | 21.0 | 21.0 | 21.2 |
| 9.7 | 12.4 | 13.4 | 17.4 | 18.3 | 19.1 | 19.3 | 20.0 | 20.4 | 20.6 | 20.6 | 20.9 | 21.2 | 21.2 | 21.5 |
| 9.8 | 12.4 | 13.3 | 17.5 | 18.4 | 19.2 | 19.6 | 20.0 | 20.4 | 20.6 | 20.6 | 20.9 | 21.3 | 21.3 | 21.6 |
| 9.8 | 12.4 | 13.3 | 17.5 | 18.4 | 19.2 | 19.6 | 20.0 | 20.4 | 20.6 | 20.6 | 20.9 | 21.3 | 21.3 | 21.6 |
| 10.0 | 12.7 | 13.7 | 17.7 | 18.8 | 19.3 | 20.1 | 20.5 | 20.9 | 21.1 | 21.4 | 21.4 | 21.8 | 21.8 | 22.0 |
| 10.1 | 12.9 | 16.0 | 18.1 | 19.3 | 20.2 | 20.8 | 21.2 | 21.6 | 21.8 | 22.0 | 22.1 | 22.5 | 22.5 | 22.7 |
| 10.4 | 13.2 | 16.4 | 18.7 | 20.0 | 20.9 | 21.5 | 21.9 | 22.5 | 22.7 | 23.0 | 23.0 | 23.4 | 23.5 | 23.8 |
| 11.0 | 13.9 | 17.1 | 19.5 | 20.8 | 21.8 | 22.4 | 22.8 | 23.4 | 23.6 | 23.9 | 24.0 | 24.3 | 24.4 | 24.7 |
| 11.7 | 14.5 | 17.9 | 20.2 | 21.6 | 22.8 | 23.4 | 23.8 | 24.4 | 24.6 | 24.9 | 24.9 | 25.3 | 25.4 | 25.7 |
| 13.1 | 15.9 | 19.3 | 21.8 | 23.2 | 24.4 | 25.1 | 25.5 | 26.0 | 26.3 | 26.5 | 26.6 | 27.0 | 27.1 | 27.3 |
| 14.0 | 17.0 | 20.3 | 23.0 | 24.4 | 25.7 | 26.3 | 26.8 | 27.4 | 27.8 | 28.1 | 28.1 | 28.5 | 28.6 | 28.9 |
| 14.8 | 17.9 | 21.2 | 23.8 | 25.2 | 26.5 | 27.2 | 27.8 | 28.4 | 28.9 | 29.1 | 29.2 | 29.6 | 29.7 | 30.0 |
| 15.7 | 18.7 | 22.2 | 24.8 | 26.2 | 27.5 | 28.3 | 29.0 | 29.7 | 30.1 | 30.4 | 30.4 | 30.8 | 30.9 | 31.2 |
| 17.1 | 20.3 | 24.0 | 26.6 | 28.1 | 29.6 | 30.5 | 31.2 | 31.9 | 32.4 | 32.6 | 32.7 | 33.1 | 33.2 | 33.5 |
| 19.2 | 22.8 | 26.5 | 29.5 | 31.0 | 32.5 | 33.6 | 34.2 | 35.0 | 35.5 | 35.7 | 35.8 | 36.1 | 36.3 | 36.6 |
| 21.6 | 23.4 | 29.2 | 32.5 | 34.0 | 35.9 | 37.3 | 38.1 | 38.9 | 39.3 | 39.6 | 39.7 | 40.0 | 40.1 | 40.5 |
| 25.6 | 29.7 | 34.0 | 37.8 | 39.0 | 41.1 | 42.8 | 43.7 | 44.4 | 44.9 | 45.2 | 45.3 | 45.6 | 45.8 | 46.1 |
| 27.0 | 31.2 | 35.7 | 39.3 | 41.1 | 43.2 | 44.9 | 45.8 | 46.5 | 47.0 | 47.3 | 47.4 | 47.7 | 47.8 | 48.2 |
| 29.1 | 33.9 | 39.0 | 43.2 | 45.6 | 48.0 | 49.8 | 50.8 | 51.7 | 52.2 | 52.3 | 52.6 | 53.0 | 53.1 | 53.4 |
| 31.8 | 37.5 | 44.2 | 48.7 | 51.3 | 54.3 | 56.2 | 57.3 | 58.4 | 59.0 | 59.4 | 59.5 | 59.9 | 60.0 | 60.3 |
| 32.6 | 39.8 | 46.7 | 51.7 | 55.0 | 58.3 | 60.3 | 61.6 | 62.9 | 63.6 | 64.0 | 64.1 | 64.3 | 64.6 | 64.9 |
| 33.1 | 40.8 | 48.2 | 53.8 | 57.1 | 60.5 | 62.7 | 64.0 | 65.5 | 66.4 | 66.7 | 66.9 | 67.2 | 67.4 | 67.7 |
| 33.9 | 42.3 | 51.0 | 57.2 | 61.0 | 64.9 | 67.2 | 68.7 | 70.4 | 71.4 | 72.0 | 72.2 | 72.3 | 72.7 | 73.0 |
| 34.5 | 43.3 | 52.6 | 59.5 | 63.4 | 67.9 | 70.6 | 72.2 | 74.1 | 75.2 | 76.0 | 76.3 | 76.7 | 76.8 | 77.1 |
| 34.8 | 43.8 | 53.4 | 60.9 | 65.3 | 70.3 | 73.2 | 75.0 | 77.4 | 79.2 | 80.2 | 80.6 | 81.0 | 81.2 | 81.5 |
| 34.7 | 44.0 | 53.9 | 62.1 | 66.9 | 72.7 | 76.2 | 78.8 | 81.5 | 83.3 | 84.9 | 85.0 | 85.4 | 85.6 | 86.1 |
| 34.7 | 44.0 | 53.9 | 62.2 | 67.3 | 73.6 | 77.8 | 80.7 | 83.7 | 86.1 | 87.6 | 88.2 | 88.7 | 89.0 | 90.1 |
| 34.7 | 44.0 | 53.9 | 62.3 | 67.7 | 73.9 | 78.4 | 81.8 | 83.1 | 85.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 34.7 | 44.0 | 53.9 | 62.3 | 67.7 | 74.0 | 78.6 | 81.8 | 83.5 | 85.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| 34.7 | 44.0 | 53.9 | 62.3 | 67.7 | 74.0 | 78.6 | 81.8 | 83.5 | 85.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| 34.7 | 44.0 | 54.0 | 62.4 | 67.8 | 74.0 | 78.6 | 81.9 | 83.7 | 85.2 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |

TOTAL NUMBER OF OBSERVATIONS

1024

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| 7.4 | 9.2 | 11.2 | 13.3 | 14.1 | 14.9 | 15.4 | 15.6 | 16.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.2 |
| 9.4 | 11.2 | 13.8 | 16.3 | 17.2 | 18.1 | 18.6 | 19.0 | 19.5 | 20.7 | 20.7 | 20.7 | 20.9 | 20.9 | 20.9 | 21.0 |
| 9.4 | 11.3 | 13.9 | 16.4 | 17.3 | 18.3 | 18.8 | 19.1 | 19.7 | 20.9 | 20.9 | 20.9 | 21.0 | 21.0 | 21.0 | 21.0 |
| 9.5 | 11.4 | 14.0 | 16.5 | 17.4 | 18.4 | 18.9 | 19.2 | 19.8 | 21.0 | 21.0 | 21.0 | 21.0 | 21.1 | 21.1 | 21.3 |
| 9.8 | 11.7 | 14.4 | 17.1 | 18.0 | 19.0 | 19.5 | 19.8 | 20.4 | 21.6 | 21.6 | 21.6 | 21.7 | 21.7 | 21.7 | 21.9 |
| 10.0 | 12.1 | 14.8 | 17.5 | 18.5 | 19.5 | 20.0 | 20.9 | 20.9 | 22.2 | 22.2 | 22.2 | 22.3 | 22.3 | 22.3 | 22.5 |
| 10.4 | 12.5 | 15.4 | 18.1 | 19.0 | 20.1 | 20.6 | 20.9 | 21.5 | 22.8 | 22.8 | 22.8 | 23.0 | 23.0 | 23.0 | 23.1 |
| 10.9 | 13.1 | 16.0 | 18.9 | 19.9 | 21.0 | 21.7 | 22.1 | 22.8 | 24.1 | 24.1 | 24.1 | 24.2 | 24.2 | 24.2 | 24.4 |
| 11.5 | 13.8 | 17.0 | 19.9 | 20.9 | 22.1 | 23.0 | 23.5 | 24.2 | 25.5 | 25.5 | 25.5 | 25.7 | 25.7 | 25.7 | 25.9 |
| 12.0 | 14.6 | 17.7 | 20.7 | 21.8 | 23.1 | 24.0 | 24.6 | 25.2 | 26.5 | 26.5 | 26.5 | 26.8 | 26.8 | 26.8 | 27.0 |
| 13.1 | 16.0 | 19.5 | 22.5 | 23.6 | 24.9 | 25.8 | 26.2 | 27.0 | 28.3 | 28.3 | 28.3 | 28.6 | 28.6 | 28.6 | 28.8 |
| 14.1 | 17.1 | 20.6 | 24.0 | 25.1 | 26.4 | 27.4 | 27.9 | 28.6 | 30.0 | 30.1 | 30.1 | 30.3 | 30.3 | 30.3 | 30.5 |
| 14.7 | 17.8 | 21.2 | 24.8 | 26.0 | 27.3 | 28.3 | 28.8 | 29.6 | 30.9 | 31.0 | 31.0 | 31.2 | 31.2 | 31.2 | 31.4 |
| 15.8 | 19.1 | 22.8 | 26.4 | 27.7 | 29.0 | 30.0 | 30.6 | 31.4 | 32.8 | 32.9 | 33.0 | 33.1 | 33.1 | 33.1 | 33.3 |
| 17.1 | 20.4 | 24.1 | 27.8 | 29.1 | 30.6 | 31.7 | 32.3 | 33.1 | 34.6 | 34.8 | 34.8 | 35.0 | 35.0 | 35.0 | 35.2 |
| 18.8 | 22.7 | 26.7 | 30.7 | 32.0 | 33.6 | 34.9 | 35.6 | 36.4 | 38.0 | 38.1 | 38.2 | 38.4 | 38.4 | 38.4 | 38.6 |
| 22.0 | 26.0 | 30.2 | 34.8 | 36.2 | 38.0 | 39.4 | 40.1 | 41.0 | 42.6 | 42.7 | 42.8 | 43.0 | 43.1 | 43.1 | 43.3 |
| 24.9 | 29.5 | 34.5 | 39.3 | 40.7 | 42.6 | 44.1 | 44.8 | 45.8 | 47.5 | 47.7 | 47.8 | 48.0 | 48.0 | 48.0 | 48.3 |
| 26.3 | 31.1 | 36.4 | 41.4 | 42.9 | 44.9 | 46.4 | 47.1 | 48.3 | 50.0 | 50.2 | 50.3 | 50.5 | 50.6 | 50.6 | 50.8 |
| 28.3 | 34.1 | 40.0 | 45.6 | 47.3 | 49.7 | 51.5 | 52.2 | 53.6 | 55.2 | 55.4 | 55.6 | 55.7 | 55.8 | 56.0 | 56.0 |
| 31.1 | 38.0 | 44.8 | 51.2 | 53.5 | 56.4 | 58.5 | 59.5 | 60.8 | 62.8 | 63.0 | 63.2 | 63.4 | 63.5 | 63.7 | 63.7 |
| 32.3 | 40.4 | 47.8 | 54.9 | 57.8 | 61.1 | 63.5 | 64.8 | 66.6 | 68.6 | 68.8 | 69.1 | 69.2 | 69.3 | 69.6 | 69.6 |
| 32.7 | 41.1 | 49.1 | 56.8 | 59.9 | 63.4 | 66.0 | 67.5 | 69.6 | 71.8 | 72.0 | 72.2 | 72.4 | 72.5 | 72.7 | 72.7 |
| 33.3 | 42.5 | 51.2 | 59.3 | 62.9 | 67.0 | 69.9 | 71.7 | 73.9 | 76.3 | 76.7 | 77.0 | 77.2 | 77.2 | 77.5 | 77.5 |
| 33.4 | 43.0 | 52.2 | 61.1 | 65.1 | 69.8 | 72.8 | 74.8 | 77.2 | 79.8 | 80.2 | 80.6 | 80.8 | 80.9 | 81.1 | 81.1 |
| 33.4 | 43.1 | 52.5 | 62.3 | 66.6 | 71.7 | 74.9 | 76.9 | 79.4 | 82.3 | 82.8 | 83.1 | 83.3 | 83.4 | 83.9 | 83.9 |
| 33.5 | 43.3 | 52.8 | 63.1 | 67.9 | 73.3 | 76.7 | 79.3 | 82.3 | 85.3 | 86.1 | 86.7 | 87.2 | 87.3 | 87.9 | 87.9 |
| 33.5 | 43.3 | 53.0 | 63.3 | 68.5 | 74.0 | 77.9 | 81.0 | 84.5 | 88.3 | 89.2 | 89.9 | 90.4 | 90.6 | 91.5 | 91.5 |
| 33.5 | 43.3 | 53.0 | 63.3 | 68.5 | 74.2 | 78.1 | 81.7 | 85.4 | 89.6 | 90.6 | 91.6 | 92.5 | 92.8 | 94.1 | 94.1 |
| 33.5 | 43.3 | 53.0 | 63.3 | 68.5 | 74.2 | 78.3 | 81.9 | 85.6 | 90.1 | 91.4 | 92.6 | 94.3 | 94.9 | 96.9 | 96.9 |
| 33.5 | 43.3 | 53.0 | 63.3 | 68.5 | 74.2 | 78.3 | 81.9 | 85.6 | 90.3 | 91.7 | 93.3 | 95.0 | 96.0 | 99.1 | 99.1 |
| 33.6 | 43.4 | 53.1 | 63.5 | 68.6 | 74.3 | 78.4 | 82.0 | 85.7 | 90.4 | 91.8 | 93.6 | 95.2 | 96.2 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1020

1
1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/PAO

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-67

SEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 5.8 | 8.8 | 11.4 | 14.6 | 16.4 | 18.0 | 18.9 | 19.5 | 20.2 | 20.9 | 21.1 | 21.3 | 21.4 | 21.4 | 21.6 |
| 7.2 | 10.3 | 12.9 | 16.8 | 18.6 | 20.4 | 21.4 | 22.1 | 22.9 | 23.6 | 23.8 | 24.0 | 24.2 | 24.2 | 24.4 |
| 7.2 | 10.3 | 12.9 | 16.8 | 18.6 | 20.4 | 21.4 | 22.1 | 22.9 | 23.6 | 23.8 | 24.0 | 24.2 | 24.2 | 24.4 |
| 7.3 | 10.3 | 13.0 | 16.9 | 18.7 | 20.5 | 21.5 | 22.2 | 23.0 | 23.7 | 23.9 | 24.1 | 24.2 | 24.2 | 24.5 |
| 7.5 | 10.5 | 13.3 | 17.1 | 18.9 | 20.9 | 21.9 | 22.6 | 23.4 | 24.1 | 24.3 | 24.5 | 24.7 | 24.7 | 24.9 |
| 7.7 | 10.8 | 13.8 | 17.8 | 19.8 | 21.7 | 22.7 | 23.5 | 24.2 | 25.0 | 25.2 | 25.4 | 25.5 | 25.5 | 25.8 |
| 8.0 | 11.2 | 14.3 | 18.4 | 20.4 | 22.6 | 23.8 | 24.5 | 25.3 | 26.0 | 26.2 | 26.5 | 26.6 | 26.6 | 26.8 |
| 9.0 | 12.3 | 15.6 | 19.8 | 21.9 | 24.0 | 25.3 | 26.0 | 26.9 | 27.6 | 27.8 | 28.0 | 28.2 | 28.2 | 28.4 |
| 9.8 | 13.0 | 16.4 | 20.7 | 22.7 | 25.0 | 26.2 | 26.9 | 27.9 | 28.6 | 28.8 | 29.1 | 29.3 | 29.3 | 29.5 |
| 10.4 | 13.7 | 17.1 | 21.4 | 23.5 | 25.7 | 26.9 | 27.6 | 28.6 | 29.4 | 29.6 | 29.8 | 30.1 | 30.1 | 30.3 |
| 11.8 | 15.3 | 19.0 | 23.7 | 25.8 | 28.0 | 29.3 | 30.0 | 31.1 | 31.9 | 32.1 | 32.3 | 32.5 | 32.5 | 32.8 |
| 12.5 | 16.2 | 20.1 | 24.9 | 27.2 | 29.6 | 30.8 | 31.5 | 32.6 | 33.4 | 33.6 | 33.8 | 34.0 | 34.0 | 34.3 |
| 14.5 | 18.7 | 22.8 | 27.7 | 30.0 | 32.6 | 33.8 | 34.5 | 35.6 | 36.4 | 36.7 | 36.9 | 37.1 | 37.1 | 37.4 |
| 15.4 | 20.0 | 24.4 | 29.7 | 32.1 | 34.9 | 36.2 | 36.9 | 38.1 | 39.0 | 39.2 | 39.4 | 39.6 | 39.6 | 39.9 |
| 16.4 | 21.5 | 26.3 | 32.0 | 34.5 | 37.4 | 38.7 | 39.5 | 40.7 | 41.8 | 42.0 | 42.2 | 42.5 | 42.5 | 42.8 |
| 18.7 | 24.4 | 29.6 | 35.8 | 38.6 | 41.7 | 43.0 | 43.7 | 45.0 | 46.0 | 46.2 | 46.4 | 46.7 | 46.7 | 47.0 |
| 21.9 | 28.7 | 34.4 | 41.2 | 44.9 | 47.7 | 49.0 | 49.7 | 51.0 | 52.1 | 52.3 | 52.5 | 52.8 | 52.8 | 53.1 |
| 23.2 | 30.1 | 36.1 | 42.9 | 45.9 | 49.6 | 51.0 | 51.8 | 53.2 | 54.2 | 54.4 | 54.7 | 55.0 | 55.0 | 55.3 |
| 24.9 | 32.5 | 39.3 | 46.6 | 49.8 | 53.8 | 55.3 | 56.1 | 57.5 | 58.5 | 58.8 | 59.0 | 59.5 | 59.5 | 59.8 |
| 26.5 | 34.9 | 43.3 | 51.4 | 55.2 | 59.5 | 61.0 | 62.1 | 63.6 | 64.8 | 65.2 | 65.4 | 65.9 | 65.9 | 66.1 |
| 27.0 | 36.3 | 45.3 | 54.1 | 58.2 | 63.3 | 65.1 | 66.2 | 67.9 | 69.2 | 69.6 | 69.8 | 70.2 | 70.2 | 70.5 |
| 27.0 | 36.5 | 46.0 | 55.2 | 60.0 | 65.7 | 67.6 | 68.9 | 70.5 | 71.9 | 72.2 | 72.5 | 72.9 | 72.9 | 73.2 |
| 27.5 | 37.4 | 47.2 | 57.0 | 62.4 | 69.2 | 71.2 | 72.5 | 74.4 | 75.8 | 76.2 | 76.4 | 76.8 | 76.8 | 77.1 |
| 27.6 | 37.7 | 47.8 | 58.3 | 64.3 | 71.9 | 74.2 | 75.6 | 78.0 | 79.5 | 79.8 | 80.1 | 80.5 | 80.5 | 80.8 |
| 27.7 | 37.8 | 48.3 | 59.3 | 66.0 | 74.2 | 76.6 | 78.3 | 80.9 | 82.4 | 82.8 | 83.0 | 83.4 | 83.4 | 83.9 |
| 27.7 | 37.9 | 48.7 | 60.1 | 67.6 | 75.8 | 79.1 | 80.8 | 83.6 | 85.1 | 85.5 | 85.8 | 86.3 | 86.3 | 87.0 |
| 27.7 | 37.9 | 49.0 | 60.6 | 67.9 | 76.7 | 80.1 | 82.0 | 85.4 | 86.9 | 87.4 | 87.8 | 88.5 | 88.5 | 89.2 |
| 27.7 | 37.9 | 49.1 | 60.8 | 68.2 | 77.6 | 81.9 | 83.8 | 87.4 | 89.4 | 90.2 | 91.0 | 91.8 | 91.8 | 92.9 |
| 27.7 | 37.9 | 49.1 | 60.8 | 68.4 | 78.0 | 82.2 | 84.4 | 88.6 | 91.0 | 92.0 | 92.8 | 94.4 | 94.5 | 96.1 |
| 27.7 | 37.9 | 49.1 | 60.8 | 68.4 | 78.0 | 82.2 | 84.4 | 88.6 | 91.2 | 92.3 | 93.2 | 95.0 | 95.2 | 98.4 |
| 27.7 | 37.9 | 49.1 | 60.8 | 68.4 | 78.0 | 82.2 | 84.4 | 88.6 | 91.2 | 92.3 | 93.3 | 95.1 | 95.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1394

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

34056 SEIBACH AB GERMANY

53-67

DEC

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 5.3 | 7.6 | 11.0 | 13.8 | 15.5 | 17.9 | 19.1 | 19.4 | 20.0 | 20.9 | 21.2 | 21.4 | 21.9 | 21.9 | 22.7 |
| 6.4 | 9.0 | 12.5 | 15.6 | 17.3 | 19.9 | 21.2 | 21.8 | 22.4 | 23.4 | 23.7 | 23.9 | 24.4 | 24.4 | 25.2 |
| 6.4 | 9.0 | 12.5 | 15.6 | 17.3 | 19.9 | 21.2 | 21.8 | 22.4 | 23.4 | 23.7 | 23.9 | 24.4 | 24.4 | 25.2 |
| 6.5 | 9.1 | 12.7 | 15.8 | 17.8 | 20.1 | 21.4 | 22.0 | 22.7 | 23.7 | 23.9 | 24.2 | 24.6 | 24.7 | 25.4 |
| 6.5 | 9.1 | 12.7 | 15.8 | 17.6 | 20.1 | 21.4 | 22.0 | 22.7 | 23.7 | 23.9 | 24.2 | 24.6 | 24.7 | 25.4 |
| 6.7 | 9.2 | 12.8 | 15.9 | 17.7 | 20.3 | 21.6 | 22.2 | 22.8 | 23.8 | 24.1 | 24.3 | 24.7 | 24.8 | 25.6 |
| 6.8 | 9.4 | 13.0 | 16.4 | 18.4 | 21.1 | 22.4 | 23.2 | 23.9 | 24.9 | 25.2 | 25.4 | 25.9 | 25.9 | 26.7 |
| 7.5 | 10.3 | 13.9 | 17.6 | 19.6 | 22.4 | 23.8 | 24.7 | 25.2 | 26.4 | 26.7 | 26.9 | 27.3 | 27.4 | 28.2 |
| 8.5 | 11.5 | 15.2 | 18.9 | 20.9 | 24.2 | 25.5 | 26.4 | 27.1 | 28.2 | 28.5 | 28.7 | 29.1 | 29.2 | 30.0 |
| 10.0 | 13.0 | 16.9 | 20.6 | 22.7 | 25.9 | 27.2 | 28.2 | 29.0 | 30.3 | 30.5 | 30.8 | 31.3 | 31.4 | 32.2 |
| 10.8 | 13.8 | 17.8 | 21.8 | 23.8 | 27.0 | 28.4 | 29.3 | 30.2 | 31.4 | 31.7 | 32.0 | 32.5 | 32.5 | 33.3 |
| 11.8 | 14.8 | 18.9 | 23.2 | 25.3 | 28.5 | 29.9 | 30.9 | 31.8 | 33.0 | 33.3 | 33.6 | 34.1 | 34.2 | 35.0 |
| 12.5 | 15.6 | 20.0 | 24.2 | 26.3 | 29.8 | 31.2 | 32.2 | 33.1 | 34.3 | 34.6 | 34.9 | 35.6 | 35.6 | 36.5 |
| 13.9 | 17.2 | 22.0 | 26.3 | 28.8 | 32.2 | 33.5 | 34.6 | 35.5 | 36.8 | 37.1 | 37.4 | 38.1 | 38.1 | 39.0 |
| 14.6 | 18.0 | 23.2 | 27.7 | 30.2 | 33.6 | 35.0 | 36.0 | 36.9 | 38.3 | 38.7 | 39.0 | 39.6 | 39.7 | 40.6 |
| 16.1 | 19.6 | 25.1 | 30.1 | 32.6 | 36.1 | 37.6 | 38.6 | 39.6 | 41.1 | 41.5 | 41.8 | 42.4 | 42.5 | 43.4 |
| 17.8 | 21.4 | 27.4 | 32.6 | 35.3 | 38.8 | 40.3 | 41.4 | 42.4 | 43.8 | 44.2 | 44.5 | 45.2 | 45.2 | 46.2 |
| 20.2 | 24.3 | 31.4 | 37.3 | 40.2 | 44.4 | 46.0 | 47.2 | 48.4 | 49.8 | 50.3 | 50.5 | 51.2 | 51.3 | 52.2 |
| 20.9 | 25.2 | 32.5 | 38.9 | 42.2 | 46.4 | 48.1 | 49.3 | 50.5 | 52.0 | 52.4 | 52.7 | 53.3 | 53.4 | 54.3 |
| 22.2 | 27.0 | 35.6 | 42.2 | 45.6 | 50.3 | 52.0 | 53.2 | 54.5 | 55.9 | 56.4 | 56.7 | 57.4 | 57.5 | 58.4 |
| 24.0 | 30.0 | 39.9 | 47.5 | 51.2 | 56.3 | 58.3 | 59.7 | 61.1 | 62.7 | 63.2 | 63.4 | 64.2 | 64.2 | 65.2 |
| 24.7 | 31.7 | 43.2 | 51.0 | 55.3 | 60.9 | 63.2 | 64.7 | 66.1 | 67.7 | 68.2 | 68.5 | 69.3 | 69.4 | 70.4 |
| 25.0 | 32.5 | 44.8 | 53.0 | 57.6 | 63.3 | 65.8 | 67.4 | 68.8 | 70.3 | 71.0 | 71.3 | 72.0 | 72.1 | 73.1 |
| 25.3 | 33.2 | 46.5 | 55.2 | 60.4 | 67.0 | 69.7 | 71.3 | 72.9 | 74.8 | 75.3 | 75.6 | 76.3 | 76.4 | 77.4 |
| 25.4 | 33.8 | 47.1 | 56.3 | 62.1 | 69.3 | 72.2 | 74.0 | 75.8 | 77.8 | 78.3 | 78.6 | 79.3 | 79.6 | 80.6 |
| 25.4 | 33.8 | 47.6 | 57.4 | 63.3 | 71.5 | 74.7 | 76.6 | 78.9 | 81.0 | 81.5 | 81.9 | 82.7 | 82.8 | 83.8 |
| 25.4 | 33.9 | 48.1 | 58.5 | 65.3 | 74.4 | 78.3 | 80.3 | 83.0 | 85.4 | 85.9 | 86.2 | 87.1 | 87.2 | 88.2 |
| 25.4 | 33.9 | 48.2 | 58.6 | 65.9 | 76.0 | 80.1 | 82.1 | 85.2 | 87.5 | 88.0 | 88.7 | 89.6 | 89.7 | 90.6 |
| 25.4 | 33.9 | 48.2 | 58.6 | 66.2 | 76.8 | 81.1 | 83.2 | 86.7 | 89.3 | 89.8 | 90.5 | 91.7 | 91.8 | 92.8 |
| 25.4 | 33.9 | 48.2 | 58.6 | 66.2 | 77.0 | 81.6 | 83.9 | 87.7 | 90.5 | 91.1 | 91.9 | 93.4 | 93.5 | 94.8 |
| 25.4 | 33.9 | 48.2 | 58.6 | 66.2 | 77.1 | 81.7 | 84.0 | 87.8 | 90.5 | 91.5 | 92.3 | 94.3 | 94.5 | 96.4 |
| 25.4 | 33.9 | 48.2 | 58.6 | 66.2 | 77.1 | 81.7 | 84.0 | 87.8 | 90.5 | 91.5 | 92.3 | 94.3 | 94.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1399

SKY COVER SUMMARY

Due to the reporting of total cloud amount in GWC tapes for airways hourly observations Jan 71 and later, clear, scattered, broken, overcast, partial and obscured are converted to 0, 3, 9, 10, 9 and 10 tenths. The sky cover summary for this station is limited to the period of record through Dec 70.

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

| <u>OKTAS</u> | <u>TENTHS</u> |
|-----------------|---------------|
| 0 | 0 |
| 1 | 1 |
| 2 | 3 |
| 3 | 4 |
| 4 | 5 |
| 5 | 6 |
| 6 | 8 |
| 7 | 9 |
| 8 (or obscured) | 10 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY
STATION STATION NAME

53-70

PERIOD

ALL
UNCL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LIST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS |
|--------|---------------|---|-----|-----|-----|-----|-----|-----|-----|------|------|------|--------------------------------|------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JAN | ALL | 9.5 | 2.5 | 2.7 | 2.9 | 2.7 | 1.9 | 2.6 | 2.6 | 4.9 | 4.9 | 62.9 | 7.8 | 11738 |
| FEB | | 11.2 | 3.2 | 4.2 | 3.6 | 2.9 | 2.3 | 3.3 | 3.3 | 5.7 | 5.8 | 54.7 | 7.3 | 10672 |
| MAR | | 14.1 | 4.0 | 3.6 | 3.6 | 3.7 | 2.5 | 3.6 | 4.3 | 7.7 | 6.8 | 46.3 | 6.9 | 11705 |
| APR | | 12.0 | 4.8 | 4.3 | 3.9 | 4.2 | 3.2 | 4.3 | 5.2 | 8.2 | 8.2 | 41.7 | 6.8 | 11367 |
| MAY | | 9.6 | 5.2 | 4.5 | 4.8 | 4.9 | 3.8 | 4.8 | 6.4 | 11.1 | 10.4 | 34.6 | 6.7 | 11699 |
| JUN | | 8.7 | 5.6 | 4.8 | 5.2 | 5.2 | 4.2 | 4.4 | 6.4 | 10.2 | 10.8 | 34.4 | 6.7 | 11356 |
| JUL | | 10.9 | 5.3 | 4.7 | 5.2 | 5.5 | 4.2 | 4.9 | 6.7 | 10.6 | 10.8 | 31.3 | 6.5 | 12607 |
| AUG | | 10.9 | 4.7 | 4.3 | 5.4 | 5.3 | 4.2 | 4.9 | 6.7 | 10.6 | 10.7 | 32.4 | 6.5 | 12849 |
| SEP | | 16.9 | 5.1 | 4.9 | 5.1 | 4.7 | 3.8 | 4.3 | 5.7 | 8.3 | 8.6 | 32.8 | 6.1 | 11921 |
| OCT | | 14.0 | 4.0 | 4.4 | 4.2 | 3.7 | 2.7 | 3.2 | 4.3 | 6.9 | 7.3 | 45.3 | 6.8 | 12040 |
| NOV | | 7.0 | 1.9 | 2.5 | 2.3 | 2.0 | 1.9 | 2.3 | 3.0 | 5.2 | 5.0 | 67.0 | 8.2 | 11936 |
| DEC | | 7.4 | 2.2 | 2.3 | 2.1 | 2.1 | 1.4 | 1.7 | 2.6 | 4.0 | 4.2 | 69.9 | 8.3 | 11981 |
| TOTALS | | 11.0 | 4.0 | 3.9 | 4.0 | 3.9 | 3.0 | 3.7 | 4.8 | 7.8 | 7.8 | 46.1 | 7.1 | 141201 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34036 SEMBACH AB GERMANY

54-70

JAN
MONTH

STATION

STATION NAME

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS | |
|--------|--------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------|------------------------|-------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JAN | 00-02 | 14.8 | 2.2 | 2.9 | 3.5 | 2.4 | 1.9 | 2.9 | 2.2 | 4.4 | 2.7 | 60.0 | 7.3 | 1395 |
| | 03-05 | 15.1 | 1.9 | 3.0 | 2.6 | 2.1 | 2.1 | 1.7 | 2.5 | 3.3 | 2.5 | 65.1 | 7.4 | 1437 |
| | 06-08 | 10.0 | 2.5 | 2.0 | 3.1 | 2.7 | 1.4 | 2.6 | 2.2 | 4.9 | 4.1 | 64.5 | 7.9 | 1525 |
| | 09-11 | 4.2 | 2.2 | 2.5 | 2.0 | 3.0 | 1.8 | 2.8 | 2.5 | 5.5 | 8.2 | 65.6 | 8.4 | 1530 |
| | 12-14 | 4.3 | 2.7 | 2.1 | 2.8 | 2.9 | 2.0 | 2.5 | 2.6 | 6.6 | 6.4 | 65.5 | 8.3 | 1535 |
| | 15-17 | 5.2 | 2.9 | 2.9 | 2.8 | 2.6 | 2.4 | 2.4 | 3.5 | 5.8 | 6.4 | 62.8 | 8.1 | 1526 |
| | 18-20 | 8.3 | 3.4 | 3.2 | 3.4 | 2.5 | 2.7 | 3.1 | 2.4 | 4.9 | 5.2 | 61.1 | 7.7 | 1395 |
| | 21-23 | 14.0 | 1.9 | 3.2 | 2.9 | 3.2 | 1.3 | 3.1 | 2.9 | 3.5 | 3.6 | 60.4 | 7.4 | 1395 |
| TOTALS | | 9.5 | 2.5 | 2.7 | 2.9 | 2.7 | 1.9 | 2.6 | 2.6 | 4.9 | 4.9 | 62.9 | 7.8 | 11738 |

USAFETAC

FORM
JUL 64

0.9.5 (OL1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY

54-70

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS | |
|--------|--------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------|------------------------|-------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| FEB | 00-02 | 17.3 | 3.2 | 4.6 | 3.5 | 2.4 | 2.1 | 2.8 | 2.7 | 3.7 | 3.2 | 54.5 | 6.8 | 1272 |
| | 03-05 | 17.1 | 2.5 | 4.2 | 2.8 | 2.8 | 1.7 | 3.3 | 2.2 | 3.0 | 2.5 | 57.8 | 7.0 | 1309 |
| | 06-08 | 9.8 | 2.6 | 3.6 | 3.7 | 2.7 | 2.3 | 3.6 | 2.2 | 5.5 | 4.7 | 59.3 | 7.6 | 1387 |
| | 09-11 | 6.1 | 3.4 | 2.3 | 2.7 | 2.4 | 2.0 | 1.8 | 4.3 | 7.1 | 8.7 | 59.1 | 8.0 | 1389 |
| | 12-14 | 6.2 | 2.9 | 3.2 | 3.4 | 3.0 | 2.7 | 3.8 | 4.7 | 7.9 | 8.6 | 59.6 | 7.8 | 1388 |
| | 15-17 | 7.1 | 3.2 | 4.3 | 3.8 | 3.2 | 2.4 | 3.0 | 4.0 | 7.0 | 9.1 | 52.9 | 7.6 | 1385 |
| | 18-20 | 9.1 | 3.5 | 5.6 | 4.6 | 3.3 | 2.6 | 3.8 | 4.1 | 6.3 | 6.4 | 50.9 | 7.2 | 1274 |
| | 21-23 | 16.6 | 4.1 | 5.6 | 4.1 | 3.4 | 2.6 | 4.2 | 1.8 | 4.7 | 3.2 | 49.8 | 6.6 | 1268 |
| TOTALS | | 11.2 | 3.2 | 4.2 | 3.6 | 2.9 | 2.3 | 3.3 | 3.3 | 3.7 | 3.8 | 54.7 | 7.3 | 10672 |

SKY COVER

PER 02

VAR

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS. | |
|--------|--------------|---|-----|-----|-----|-----|-----|-----|-----|------|------|--------------------------------|-------------------------|-------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| MAR | 00-02 | 24.6 | 3.1 | 3.2 | 3.0 | 2.9 | 1.9 | 4.1 | 3.1 | 3.2 | 3.0 | 44.0 | 6.0 | 1393 |
| | 03-05 | 24.4 | 2.9 | 3.5 | 2.6 | 3.5 | 2.0 | 3.5 | 2.9 | 4.2 | 2.9 | 47.7 | 6.2 | 1437 |
| | 06-08 | 11.9 | 4.4 | 3.9 | 3.0 | 3.7 | 1.6 | 1.4 | 3.9 | 6.2 | 6.2 | 51.8 | 7.1 | 1520 |
| | 09-11 | 8.7 | 3.9 | 3.5 | 3.1 | 3.4 | 2.3 | 2.7 | 3.5 | 7.6 | 8.2 | 53.1 | 7.5 | 1521 |
| | 12-14 | 3.9 | 3.4 | 2.0 | 3.4 | 4.3 | 3.1 | 3.7 | 3.8 | 11.3 | 11.5 | 43.5 | 7.6 | 1520 |
| | 15-17 | 6.3 | 4.9 | 2.0 | 2.6 | 4.1 | 3.2 | 4.7 | 6.0 | 11.5 | 10.4 | 44.3 | 7.5 | 1519 |
| | 18-20 | 9.0 | 3.4 | 3.9 | 4.5 | 3.9 | 3.6 | 4.5 | 4.6 | 9.7 | 8.4 | 42.6 | 7.0 | 1398 |
| | 21-23 | 21.9 | 4.3 | 4.7 | 4.3 | 4.0 | 2.3 | 3.9 | 4.2 | 3.5 | 3.4 | 41.2 | 6.0 | 1393 |
| TOTALS | | 14.1 | 4.0 | 3.6 | 3.6 | 3.7 | 2.5 | 3.6 | 4.3 | 7.7 | 6.8 | 43.3 | 6.9 | 11703 |

SKY COVER

54-70

APR 1964

Page 33

USAFETAC FORM 0.9-5 (OLI) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

4AY

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS | |
|--------|--------------|---|-----|-----|-----|-----|-----|-----|-----|------|------|--------------------------------|------------------------|-------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | 10 |
| MAY | 00-02 | 28.2 | 4.3 | 6.5 | 4.8 | 4.4 | 2.9 | 4.1 | 5.0 | 5.7 | 3.5 | 30.4 | 5.1 | 1394 |
| | 03-05 | 16.5 | 7.7 | 5.6 | 4.9 | 5.6 | 2.6 | 3.7 | 3.8 | 7.4 | 6.5 | 35.5 | 5.9 | 1436 |
| | 06-08 | 9.0 | 7.9 | 3.6 | 4.2 | 3.6 | 2.8 | 3.2 | 5.9 | 9.3 | 10.7 | 39.9 | 6.9 | 1519 |
| | 09-11 | 5.8 | 4.7 | 3.5 | 4.5 | 4.5 | 3.6 | 3.7 | 6.5 | 12.9 | 12.3 | 38.0 | 7.2 | 1521 |
| | 12-14 | 2.2 | 2.8 | 3.0 | 4.5 | 3.9 | 4.6 | 5.3 | 7.8 | 15.8 | 15.3 | 34.8 | 7.6 | 1521 |
| | 15-17 | 1.4 | 1.5 | 2.9 | 4.6 | 5.5 | 4.8 | 6.9 | 8.0 | 14.5 | 16.1 | 33.7 | 7.6 | 1518 |
| | 18-20 | 2.0 | 3.9 | 5.3 | 5.0 | 6.0 | 4.6 | 6.1 | 7.3 | 14.1 | 13.2 | 32.5 | 7.2 | 1395 |
| | 21-23 | 11.3 | 8.7 | 5.7 | 6.0 | 5.8 | 4.2 | 5.2 | 7.0 | 8.7 | 5.3 | 32.1 | 6.0 | 1395 |
| TOTALS | | 9.6 | 5.2 | 4.5 | 4.8 | 4.9 | 3.8 | 4.8 | 6.4 | 11.1 | 10.4 | 34.6 | 6.7 | 11699 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SENBACH AB GERMANY
STATION STATION NAME

54-70

PERIOD

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
EST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS |
|--------|--------------|---|-----|-----|-----|-----|-----|-----|-----|------|------|------|--------------------------------|------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JUN | 00-02 | 23.6 | 6.8 | 5.7 | 6.5 | 4.1 | 2.7 | 4.7 | 4.5 | 6.6 | 4.4 | 30.4 | 5.2 | 1349 |
| | 03-05 | 12.4 | 8.1 | 6.7 | 5.8 | 6.0 | 3.8 | 3.9 | 5.4 | 6.8 | 7.8 | 33.2 | 6.0 | 1393 |
| | 06-08 | 10.7 | 7.6 | 4.5 | 4.7 | 6.0 | 2.9 | 3.9 | 4.9 | 7.6 | 10.5 | 36.7 | 6.5 | 1478 |
| | 09-11 | 5.5 | 5.8 | 4.2 | 5.3 | 5.0 | 4.8 | 3.5 | 5.6 | 10.2 | 11.9 | 38.1 | 7.0 | 1478 |
| | 12-14 | 2.8 | 2.0 | 2.7 | 3.9 | 4.5 | 5.9 | 4.9 | 7.7 | 14.1 | 15.1 | 36.4 | 7.6 | 1479 |
| | 15-17 | 2.7 | 1.6 | 3.0 | 3.7 | 5.5 | 5.1 | 5.1 | 8.9 | 14.8 | 15.6 | 33.9 | 7.6 | 1479 |
| | 18-20 | 4.3 | 5.3 | 5.2 | 3.7 | 5.0 | 5.0 | 4.1 | 8.1 | 12.1 | 13.9 | 33.3 | 7.1 | 1350 |
| | 21-23 | 7.8 | 7.3 | 6.0 | 8.1 | 5.6 | 3.7 | 4.9 | 6.2 | 9.6 | 7.3 | 33.5 | 6.4 | 1350 |
| TOTALS | | 8.7 | 5.6 | 4.8 | 5.2 | 5.2 | 4.2 | 4.4 | 6.4 | 10.2 | 10.8 | 34.4 | 6.7 | 11356 |

SKY COVER

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS. | |
|--------|--------------|---|-----|-----|-----|-----|-----|-----|-----|------|------|--------------------------------|-------------------------|-------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | |
| JUL | 00-02 | 25.1 | 6.5 | 7.1 | 6.2 | 4.5 | 2.9 | 3.9 | 4.8 | 6.6 | 5.1 | 27.2 | 5.0 | 1527 |
| | 03-05 | 15.0 | 7.1 | 5.9 | 5.9 | 3.7 | 4.4 | 3.7 | 5.4 | 7.2 | 7.2 | 31.9 | 5.8 | 1334 |
| | 06-08 | 12.8 | 6.4 | 4.8 | 5.0 | 3.6 | 2.9 | 2.7 | 5.6 | 9.4 | 10.2 | 36.7 | 6.5 | 1614 |
| | 09-11 | 8.9 | 4.2 | 2.9 | 4.0 | 5.0 | 4.0 | 4.6 | 5.9 | 13.3 | 14.5 | 32.7 | 7.0 | 1616 |
| | 12-14 | 4.0 | 2.8 | 3.2 | 3.2 | 5.3 | 6.4 | 5.3 | 8.2 | 13.2 | 15.0 | 33.6 | 7.4 | 1617 |
| | 15-17 | 3.7 | 4.4 | 2.0 | 3.8 | 6.0 | 4.7 | 6.5 | 8.3 | 14.1 | 14.2 | 32.4 | 7.3 | 1615 |
| | 18-20 | 6.1 | 4.3 | 3.7 | 5.6 | 7.2 | 4.7 | 6.3 | 8.0 | 11.8 | 13.4 | 28.7 | 6.8 | 1532 |
| | 21-23 | 10.8 | 6.5 | 8.0 | 7.5 | 6.9 | 3.7 | 5.9 | 7.4 | 9.2 | 6.7 | 27.3 | 5.9 | 1522 |
| TOTALS | | 10.9 | 5.3 | 4.7 | 5.2 | 5.5 | 4.2 | 4.9 | 6.7 | 10.6 | 10.8 | 31.3 | 6.3 | 12607 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/AC

SKY COVER

34056 SEMBACH AB GERMANY
STATION NAME

53-70

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

| MONTH | HOURS
15° | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NO. OF
OBS. |
|--------|--------------|---|-----|-----|-----|-----|-----|-----|-----|------|------|------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| AUG | 00-02 | 25.8 | 6.4 | 5.9 | 6.0 | 4.7 | 3.2 | 3.9 | 3.9 | 6.2 | 4.0 | 30.0 | 5.1 | 1572 |
| | 03-05 | 19.5 | 5.1 | 5.1 | 6.4 | 4.8 | 4.2 | 4.3 | 4.5 | 6.6 | 5.6 | 33.9 | 5.7 | 1594 |
| | 06-08 | 8.0 | 4.9 | 4.3 | 5.2 | 4.5 | 3.5 | 3.7 | 5.6 | 9.5 | 11.9 | 38.9 | 7.0 | 1635 |
| | 09-11 | 6.9 | 4.9 | 3.2 | 5.1 | 4.3 | 5.3 | 5.6 | 6.4 | 11.1 | 12.4 | 34.9 | 7.0 | 1637 |
| | 12-14 | 3.2 | 2.8 | 1.8 | 3.7 | 5.3 | 4.4 | 5.9 | 9.2 | 14.3 | 17.0 | 32.4 | 7.5 | 1635 |
| | 15-17 | 3.2 | 2.3 | 2.9 | 4.2 | 6.1 | 4.5 | 6.1 | 8.2 | 15.7 | 16.2 | 30.7 | 7.4 | 1634 |
| | 18-20 | 6.0 | 3.7 | 3.9 | 5.7 | 6.4 | 4.9 | 4.3 | 9.7 | 12.7 | 13.4 | 29.4 | 6.9 | 1572 |
| | 21-23 | 14.6 | 7.4 | 7.5 | 6.9 | 6.2 | 3.8 | 5.3 | 5.9 | 8.3 | 5.2 | 29.0 | 5.6 | 1570 |
| TOTALS | | 10.9 | 4.7 | 4.3 | 5.4 | 5.3 | 4.2 | 4.9 | 6.7 | 10.6 | 10.7 | 32.4 | 6.5 | 12849 |

DATA PROCESSING BRANCH
BTAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY
STATION

53-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

| MONTH | HOURS
15° | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
NUMBER OF
OBS. | |
|--------|--------------|---|-----|-----|-----|-----|-----|-----|-----|------|------|--------------------------------|----------------------------|-------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | |
| SEP | 00-02 | 31.9 | 4.8 | 5.2 | 4.9 | 3.7 | 2.3 | 3.5 | 5.0 | 4.6 | 3.6 | 30.3 | 4.9 | 1418 |
| | 03-05 | 27.6 | 4.7 | 4.5 | 5.7 | 4.4 | 3.5 | 3.5 | 3.8 | 4.0 | 4.2 | 34.1 | 5.2 | 1465 |
| | 06-08 | 11.5 | 5.2 | 4.0 | 4.7 | 4.8 | 3.0 | 4.4 | 4.4 | 9.1 | 10.8 | 38.1 | 6.7 | 1558 |
| | 09-11 | 10.5 | 6.3 | 4.2 | 3.7 | 3.7 | 3.4 | 4.2 | 5.4 | 9.7 | 10.8 | 38.3 | 6.8 | 1560 |
| | 12-14 | 8.7 | 3.7 | 3.6 | 3.8 | 4.9 | 5.5 | 4.5 | 7.6 | 12.3 | 12.6 | 32.9 | 6.9 | 1559 |
| | 15-17 | 8.8 | 3.9 | 4.0 | 4.7 | 5.5 | 4.6 | 5.3 | 6.6 | 10.8 | 13.5 | 32.3 | 6.8 | 1559 |
| | 18-20 | 9.5 | 7.7 | 6.3 | 6.9 | 4.9 | 4.5 | 5.3 | 7.5 | 9.0 | 9.2 | 29.2 | 6.1 | 1416 |
| | 21-23 | 26.3 | 4.8 | 7.1 | 6.0 | 5.6 | 3.3 | 4.0 | 5.2 | 6.6 | 4.4 | 26.8 | 5.0 | 1416 |
| TOTALS | | 16.9 | 5.1 | 4.9 | 5.1 | 4.7 | 3.8 | 4.3 | 5.7 | 8.3 | 8.6 | 32.8 | 6.1 | 11921 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY

53-70

007

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

| MONTH | HOURS | PERCENTAGE FREQUENCY OF TENTHS IN TOTAL SKY COVER | | | | | | | | | | | MEAN
TENTHS IN
TOTAL SKY
COVER | TOTAL
OBSERVATIONS |
|--------|-------|---|-----|-----|-----|-----|-----|-----|-----|------|------|------|---|-----------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| OCT | 00-02 | 23.2 | 4.6 | 5.1 | 3.8 | 4.2 | 2.4 | 3.7 | 4.3 | 5.5 | 3.3 | 40.0 | 5.8 | 1393 |
| | 03-05 | 19.4 | 3.6 | 5.6 | 4.0 | 3.6 | 2.3 | 2.6 | 4.0 | 5.7 | 5.4 | 43.7 | 6.3 | 1463 |
| | 06-08 | 8.1 | 3.4 | 3.4 | 3.1 | 3.3 | 2.1 | 2.8 | 3.7 | 6.8 | 8.3 | 55.1 | 7.7 | 1599 |
| | 09-11 | 8.4 | 2.6 | 1.9 | 3.1 | 2.5 | 2.4 | 2.9 | 4.0 | 6.9 | 9.2 | 55.9 | 7.8 | 1598 |
| | 12-14 | 8.4 | 3.3 | 2.9 | 3.5 | 3.6 | 3.8 | 3.5 | 4.5 | 9.3 | 10.5 | 46.7 | 7.4 | 1599 |
| | 15-17 | 9.6 | 3.9 | 3.1 | 4.0 | 3.9 | 2.7 | 3.3 | 4.3 | 10.2 | 11.2 | 43.7 | 7.2 | 1595 |
| | 18-20 | 12.7 | 4.9 | 7.2 | 6.9 | 4.7 | 3.9 | 3.3 | 5.4 | 6.2 | 5.9 | 39.1 | 6.3 | 1397 |
| | 21-23 | 22.4 | 5.8 | 5.7 | 4.9 | 3.9 | 2.3 | 3.4 | 3.9 | 4.7 | 4.5 | 38.3 | 5.7 | 1396 |
| TOTALS | | 14.0 | 4.0 | 4.4 | 4.2 | 3.7 | 2.7 | 3.2 | 4.3 | 6.9 | 7.2 | 45.3 | 6.8 | 12040 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/VAC

SKY COVER

34056 SEMBACH AB GERMANY
STATION NAME

53-70

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

| MONTH | HOURS
OBS. | PERCENTAGE FREQUENCY OF OCCURRENCE OF TOTAL SKY COVER | | | | | | | | | | MEAN TOTAL SKY COVER | | |
|--------|---------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|-----|-------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| NOV | 00-02 | 11.3 | 1.8 | 2.9 | 2.4 | 2.1 | 1.1 | 2.2 | 2.1 | 4.4 | 2.2 | 67.2 | 7.9 | 1349 |
| | 03-05 | 9.7 | 1.8 | 2.2 | 2.4 | 1.5 | 1.6 | 2.5 | 3.0 | 3.3 | 2.8 | 69.1 | 8.1 | 1406 |
| | 06-08 | 5.4 | 1.9 | 2.7 | 1.8 | 2.0 | 2.5 | 1.5 | 3.2 | 4.5 | 4.5 | 69.8 | 8.4 | 1319 |
| | 09-11 | 3.7 | 2.0 | 1.1 | 2.2 | 1.7 | 1.6 | 1.4 | 2.6 | 6.6 | 8.0 | 69.1 | 8.7 | 1321 |
| | 12-14 | 4.1 | 1.6 | 1.4 | 1.2 | 2.2 | 1.7 | 2.4 | 4.0 | 6.7 | 8.2 | 66.7 | 8.6 | 1321 |
| | 15-17 | 3.2 | 1.8 | 1.8 | 1.8 | 2.4 | 3.2 | 2.2 | 3.4 | 7.4 | 8.0 | 64.8 | 8.5 | 1321 |
| | 18-20 | 7.1 | 2.1 | 3.9 | 3.8 | 2.4 | 2.4 | 2.9 | 2.7 | 4.7 | 4.0 | 63.9 | 7.9 | 1350 |
| | 21-23 | 11.4 | 1.9 | 3.9 | 2.5 | 1.7 | 1.3 | 3.3 | 2.8 | 3.8 | 2.3 | 63.2 | 7.7 | 1349 |
| TOTALS | | 7.0 | 1.9 | 2.5 | 2.3 | 2.0 | 1.9 | 2.3 | 3.0 | 5.2 | 5.0 | 67.0 | 8.2 | 11326 |

DATA PROCESSING BRANCH-
ETAC/USAF
AIR WEATHER SERVICE/PAC

SKY COVER

34056 SEMBACH AB GERMANY

53-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

| MONTH | HOURS
OBS | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | MEAN
TENTHS OF
SKY COVER | TOTAL
OBSERVATIONS | |
|--------|--------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------|-----------------------|-------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | |
| DEC | 00-02 | 10.5 | 2.4 | 3.2 | 2.4 | 1.9 | 1.4 | 1.9 | 2.6 | 3.1 | 3.0 | 67.6 | 7.9 | 1394 |
| | 03-05 | 10.0 | 1.7 | 2.7 | 2.1 | 2.5 | 1.5 | 2.1 | 2.3 | 3.3 | 2.3 | 69.4 | 8.0 | 1459 |
| | 06-08 | 7.4 | 2.0 | 2.3 | 2.2 | 1.7 | 1.3 | 1.7 | 2.3 | 3.3 | 3.7 | 72.2 | 8.3 | 1587 |
| | 09-11 | 9.3 | 2.5 | 1.6 | 1.6 | 1.6 | .9 | 1.5 | 2.6 | 5.2 | 5.8 | 72.3 | 8.7 | 1586 |
| | 12-14 | 4.5 | 2.8 | 1.6 | 2.2 | 1.2 | 1.9 | 1.3 | 2.8 | 4.5 | 6.2 | 71.0 | 8.6 | 1585 |
| | 15-17 | 5.0 | 1.8 | 2.5 | 2.0 | 1.6 | .8 | 1.1 | 3.2 | 5.9 | 6.4 | 69.5 | 8.5 | 1581 |
| | 18-20 | 7.5 | 2.4 | 2.7 | 2.4 | 2.9 | 2.1 | 1.9 | 2.5 | 3.5 | 2.5 | 69.7 | 8.1 | 1394 |
| | 21-23 | 10.0 | 1.8 | 2.1 | 2.2 | 3.4 | 1.5 | 1.9 | 2.2 | 3.4 | 3.9 | 67.7 | 8.0 | 1395 |
| TOTALS | | 7.4 | 2.2 | 2.3 | 2.1 | 2.1 | 1.4 | 1.7 | 2.6 | 4.0 | 4.2 | 69.9 | 8.3 | 11981 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ETAC
34056 SEIBACH AB GERMANY

DAILY TEMPERATURES

53-72

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM DAILY OBSERVATIONS

MAXIMUM

| TEMPERATURE | AN | FE | MA | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | MAXIMUM |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| 95 | | | | | | | | | | | | | 1.1 |
| 90 | | | | | | | 1.2 | 2.6 | | | | | 1.3 |
| 85 | | | | | | | 1.7 | 8.5 | | | | | 1.4 |
| 80 | | | | | | | 1.1 | 18.1 | | | | | 3.6 |
| 75 | | | | | | | 1.9 | 23.5 | | | | | 9.0 |
| 70 | | | | | | | 6.7 | 34.9 | | | | | 17.7 |
| 65 | | | | | | | 1.9 | 54.6 | | | | | 28.8 |
| 60 | | | | | | | 1.2 | 77.7 | | | | | 41.4 |
| 55 | | | | | | | 1.2 | 95.3 | | | | | 51.9 |
| 50 | | | | | | | 1.4 | 99.8 | | | | | 61.7 |
| 45 | | | | | | | 1.4 | 100.0 | | | | | 71.8 |
| 40 | | | | | | | 1.4 | 100.0 | | | | | 80.9 |
| 35 | | | | | | | 1.4 | 100.0 | | | | | 89.1 |
| 30 | | | | | | | 1.4 | 100.0 | | | | | 92.2 |
| 25 | | | | | | | 1.4 | 100.0 | | | | | 98.1 |
| 20 | | | | | | | 1.4 | 100.0 | | | | | 99.3 |
| 15 | | | | | | | 1.4 | 100.0 | | | | | 99.8 |
| 10 | | | | | | | 1.4 | 100.0 | | | | | 100.0 |
| 0 | | | | | | | 1.4 | 100.0 | | | | | 100.0 |
| MEAN | 33.1 | 38.7 | 46.4 | 54.9 | 62.3 | 68.3 | 71.8 | 70.0 | 65.4 | 58.0 | 44.2 | 27.0 | 54.2 |
| S.D. | 8.345 | 9.498 | 9.174 | 8.725 | 8.168 | 7.898 | 8.204 | 7.478 | 7.406 | 7.108 | 7.408 | 8.296 | 15.225 |
| TOTAL OBS | 594 | 502 | 583 | 536 | 581 | 538 | 579 | 591 | 570 | 584 | 550 | 569 | 6677 |

DATA PROCESSING SECTION
 USAF ETAC
 AIR WEATHER SERVICE/ MC
 34056 SEBACH AB GERMANY

53-72

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM DAILY OBSERVATIONS

| TEMPERATURE | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 65 | | | | | | 1.9 | | | | | | 1.2 |
| 60 | | | | | 5.5 | 4.6 | 15.9 | 10.3 | 1.9 | | | 2.9 |
| 55 | | | | 4.4 | 5.8 | 27.5 | 43.5 | 38.6 | 17.7 | 2.2 | 1.4 | 11.7 |
| 50 | | 0.7 | 1.4 | 6.2 | 24.9 | 62.5 | 82.2 | 77.0 | 48.6 | 17.3 | 1.8 | 27.4 |
| 45 | 0.9 | 2.6 | 4.2 | 22.6 | 53.4 | 89.6 | 96.0 | 95.1 | 74.0 | 39.0 | 8.2 | 41.4 |
| 40 | 6.9 | 12.5 | 17.7 | 44.0 | 79.3 | 98.7 | 99.8 | 99.7 | 92.1 | 81.3 | 27.1 | 34.9 |
| 35 | 21.3 | 25.9 | 44.5 | 72.9 | 95.0 | 100.0 | 100.0 | 100.0 | 99.8 | 84.2 | 51.8 | 69.5 |
| 30 | 37.5 | 37.5 | 55.9 | 81.3 | 97.8 | | | | 99.8 | 91.4 | 62.7 | 75.2 |
| 25 | 46.6 | 52.2 | 69.8 | 92.0 | 99.3 | | | | 100.0 | 97.6 | 83.1 | 83.7 |
| 20 | 65.9 | 69.9 | 84.6 | 99.6 | 100.0 | | | | | 99.8 | 95.8 | 91.3 |
| 15 | 79.2 | 82.9 | 94.2 | 100.0 | | | | | | 100.0 | 99.9 | 95.3 |
| 10 | 89.5 | 88.4 | 98.9 | | | | | | | | 100.0 | 97.8 |
| 5 | 94.8 | 93.4 | 99.5 | | | | | | | | | 98.9 |
| 0 | 98.6 | 96.5 | 100.0 | | | | | | | | | 99.6 |
| -5 | 99.5 | 99.2 | | | | | | | | | | 99.9 |
| -10 | 100.0 | 99.6 | | | | | | | | | | 100.0 |
| -15 | | 100.0 | | | | | | | | | | 100.0 |
| MEAN | 27.0 | 28.2 | 32.7 | 38.8 | 49.0 | 61.0 | 65.9 | 62.9 | 48.6 | 42.0 | 33.3 | 40.5 |
| S.D. | 9.269 | 10.129 | 7.656 | 6.709 | 6.206 | 5.082 | 5.288 | 5.017 | 5.579 | 6.985 | 6.571 | 11.785 |
| TOTAL OBS. | 584 | 502 | 553 | 526 | 581 | 538 | 570 | 591 | 570 | 584 | 580 | 6679 |

DAILY TEMPERATURES

53-72

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[illegible]

DATA PROCESSING BRANCH
USAF/ETAC/OL A
AIR WEATHER SERVICE/MAC

EXTREME VALUES MAXIMUM TEMPERATURE

34050 SEMBACH AB GERMANY
STATION NAME

53-72

FROM 1951 TO PRESENT

W HOLE DEGREES FAHRENHEIT

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| 53 | | | | | | * | 84 | 91 | 87 | 73 | 57 | 64 | |
| 54 | 31 | 46 | 62 | 62 | 61 | 86 | 79 | 87 | 81 | 70 | 39 | 49 | 87 |
| 55 | 30 | 48 | 69 | 87 | 79 | 84 | 90 | 81 | 77 | 65 | 66 | 32 | 90 |
| 56 | 30 | 38 | 64 | 66 | 64 | 74 | 83 | 82 | 74 | 77 | 50 | 55 | 83 |
| 57 | 32 | 60 | 64 | 70 | 75 | 90 | 97 | 80 | 79 | 67 | 39 | 30 | 97 |
| 58 | 31 | 63 | 62 | 64 | 79 | 81 | 80 | 85 | 82 | 67 | 33 | 32 | 88 |
| 59 | 35 | 39 | 65 | 77 | 78 | 83 | 95 | 88 | 87 | 70 | 37 | 31 | 95 |
| 60 | 33 | 67 | 63 | 69 | 76 | 82 | 78 | 82 | 74 | 66 | 28 | 32 | 83 |
| 61 | 30 | 64 | 69 | 76 | 74 | 84 | 86 | 84 | 90 | 70 | 33 | 37 | 90 |
| 62 | 32 | 30 | 24 | 73 | 74 | 83 | 87 | 92 | 87 | 74 | 33 | 31 | 92 |
| 63 | 39 | 40 | 37 | 66 | 77 | 78 | 83 | 87 | 79 | 65 | 62 | 45 | 87 |
| 64 | 41 | 32 | 23 | 72 | 78 | 88 | 92 | 91 | 82 | 67 | 36 | 32 | 92 |
| 65 | 47 | 37 | 62 | 64 | 76 | 82 | 85 | 82 | 76 | 65 | 38 | 33 | 85 |
| 66 | 33 | 37 | 24 | 67 | 78 | 85 | 79 | 90 | 81 | 77 | 34 | 21 | 90 |
| 67 | 33 | 34 | 36 | 67 | 79 | 88 | 87 | 84 | 78 | 73 | 37 | 30 | 88 |
| 68 | 47 | 49 | 72 | 82 | 76 | 79 | 88 | 81** | 74** | 69** | 70** | 47 | 88 |
| 69 | ** | 49** | 46** | 37** | 74** | 86** | 79** | 90** | 83** | 76** | 66** | 39** | 36 |
| 70 | ** | 46** | 49** | 22** | 73** | 74** | 83** | 81** | 80** | 76** | 68** | 61** | 30 |
| 71 | * | 43** | 43** | 33** | 76** | 81** | 76** | 88** | 90** | 76** | 72** | 39** | 34 |
| 72 | * | 49** | 30** | 63** | 61** | 73** | 81** | 85** | 83** | 74** | 63** | 61** | 32 |
| MEAN | 49.3 | 51.9 | 60.7 | 70.6 | 77.7 | 82.6 | 86.1 | 88.9 | 79.3 | 69.2 | 38.3 | 31.2 | 88.8 |
| S.D. | 4.318 | 5.881 | 6.199 | 6.336 | 3.341 | 4.134 | 5.231 | 3.791 | 5.000 | 4.047 | 4.488 | 3.244 | 3.582 |
| TOTAL OBS. | 384 | 308 | 388 | 386 | 381 | 338 | 370 | 391 | 370 | 384 | 380 | 369 | 6477 |

NOTES * (BASED ON < FULL MONTHS)
* (AT LEAST ONE DAY < 24 OBS)

DATA PROCESSING BRANCH
USAF/ETAC/DL A
AIR WEATHER SERVICE/AC

EXTREME VALUES MINIMUM TEMPERATURE

34050 SEIBACH AB GERMANY

53-72

WHOLE DEGREES FAHRENHEIT

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 53 | | | | | | * | 45 | 45 | 37 | 32 | 26 | 25 | |
| 54 | 3 | 0 | 24 | 29 | 34 | 43 | 41 | 44 | 34 | 30 | 23 | 24 | 0 |
| 55 | 13 | 5 | 9 | 26 | 31 | 41 | 47 | 43 | 32 | 25 | 18 | 21 | 5 |
| 56 | -1 | -6 | 22 | 23 | 33 | 38 | 49 | 40 | 40 | 30 | 19 | 18 | -6 |
| 57 | 9 | 24 | 29 | 29 | 29 | 40 | 47 | 40 | 36 | 29 | 24 | 19 | 9 |
| 58 | 15 | 17 | 9 | 23 | 30 | 43 | 45 | 45 | 45 | 32 | 30 | 17 | 9 |
| 59 | 15 | 20 | 28 | 29 | 37 | 41 | 50 | 43 | 39 | 32 | 27 | 24 | 15 |
| 60 | -2 | 13 | 26 | 29 | 29 | 42 | 42 | 47 | 38 | 23 | 20 | 18 | -2 |
| 61 | 15 | 30 | 28 | 38 | 34 | 44 | 41 | 45 | 41 | 30 | 22 | 8 | 8 |
| 62 | 13 | 13 | 16 | 30 | 28 | 39 | 48 | 42 | 39 | 28 | 24 | 5 | 5 |
| 63 | 3 | 3 | 15 | 27 | 31 | 45 | 50 | 41 | 39 | 27 | 30 | 6 | 3 |
| 64 | 7 | 18 | 16 | 30 | 27 | 41 | 41 | 29 | 36 | 27 | 29 | 12 | 7 |
| 65 | 22 | 9 | 12 | 29 | 32 | 43 | 44 | 42 | 38 | 27 | 16 | 25 | 9 |
| 66 | 3 | 20 | 24 | 29 | 26 | 43 | 45 | 38 | 37 | 27 | 21 | 23 | 2 |
| 67 | 11 | 19 | 26 | 25 | 28 | 36 | 44 | 44 | 40 | 30 | 27 | 16 | 11 |
| 68 | -3 | 17 | 23 | 26 | 22 | 42 | 46 | 42 | 41 | 30 | 26 | 13 | -3 |
| 69 | ** | 21** | 8** | 23** | 27** | 33** | 42** | 44** | 41** | 33** | 26** | 13 | ** |
| 70 | ** | 19** | 8** | 15** | 26** | 33** | 46** | 44** | 41** | 34** | 28** | 13 | ** |
| 71 | * | 8* | 21* | 30* | 43* | 48* | 59* | 44* | 39* | 28* | 30* | 23 | * |
| 72 | * | 8* | 14* | 26* | 37* | 39* | 46* | 42* | 38* | 21* | 24* | 13 | * |
| MEAN | 9.4 | 12.4 | 19.8 | 27.9 | 32.4 | 41.4 | 44.0 | 42.8 | 37.8 | 29.3 | 24.8 | 17.0 | 25.9 |
| S D | 7.976 | 9.243 | 6.922 | 5.891 | 5.000 | 2.818 | 3.006 | 2.808 | 3.027 | 3.187 | 4.572 | 6.207 | 5.843 |
| TOTAL OBS | 884 | 802 | 888 | 884 | 881 | 838 | 870 | 891 | 870 | 884 | 880 | 869 | 6677 |

NOTES * (BASED ON < FULL MONTHS)

0 (AT LEAST ONE DAY < 24 OBS)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34036 SEIBACH AB GERMANY

53-72

ALL

PAGE 1

ALL

| | | WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | | | TOTAL | | TOTAL | |
|------------|----|---------------------------------|---|---|---|---|---|---|---|---|---|----|----|-------|------|-------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 98/ | 97 | | | | | | | | | | | | | 1 | 1 | | |
| 96/ | 95 | | | | | | | | | | | | | 2 | 8 | | |
| 94/ | 93 | | | | | | | | | | | | | 13 | 13 | | |
| 92/ | 91 | | | | | | | | | | | | | 19 | 19 | | |
| 90/ | 89 | | | | | | | | | | | | | 54 | 54 | | |
| 88/ | 87 | | | | | | | | | | | | | 84 | 84 | | |
| 86/ | 85 | | | | | | | | | | | | | 189 | 189 | | |
| 84/ | 83 | | | | | | | | | | | | | 300 | 300 | | |
| 82/ | 81 | | | | | | | | | | | | | 456 | 456 | | |
| 80/ | 79 | | | | | | | | | | | | | 583 | 583 | 4 | |
| 78/ | 77 | | | | | | | | | | | | | 844 | 844 | 2 | 2 |
| 76/ | 75 | | | | | | | | | | | | | 1245 | 1246 | 19 | 2 |
| 74/ | 73 | | | | | | | | | | | | | 1531 | 1532 | 40 | 6 |
| 72/ | 71 | | | | | | | | | | | | | 1932 | 1932 | 114 | 23 |
| 70/ | 69 | | | | | | | | | | | | | 2623 | 2623 | 368 | 35 |
| 68/ | 67 | | | | | | | | | | | | | 3224 | 3224 | 799 | 112 |
| 66/ | 65 | | | | | | | | | | | | | 3893 | 3893 | 1656 | 287 |
| 64/ | 63 | | | | | | | | | | | | | 4858 | 4859 | 2869 | 809 |
| 62/ | 61 | | | | | | | | | | | | | 5746 | 5747 | 4356 | 1942 |
| 60/ | 59 | | | | | | | | | | | | | 6936 | 6936 | 6034 | 3316 |
| 58/ | 57 | | | | | | | | | | | | | 7202 | 7208 | 7561 | 5069 |
| 56/ | 55 | | | | | | | | | | | | | 7873 | 7887 | 8839 | 6509 |
| 54/ | 53 | | | | | | | | | | | | | 7470 | 7492 | 9242 | 7953 |
| 52/ | 51 | | | | | | | | | | | | | 7562 | 7591 | 8848 | 8839 |
| 50/ | 49 | | | | | | | | | | | | | 7315 | 7321 | 8739 | 9039 |
| 48/ | 47 | | | | | | | | | | | | | 6963 | 6974 | 8368 | 8897 |
| 46/ | 45 | | | | | | | | | | | | | 7137 | 7156 | 8427 | 8842 |
| 44/ | 43 | | | | | | | | | | | | | 6802 | 6827 | 8132 | 8836 |
| 42/ | 41 | | | | | | | | | | | | | 6544 | 6562 | 7373 | 8182 |
| 40/ | 39 | | | | | | | | | | | | | 6607 | 6636 | 7333 | 8382 |
| 38/ | 37 | | | | | | | | | | | | | 6119 | 6172 | 7108 | 7782 |
| 36/ | 35 | | | | | | | | | | | | | 6237 | 6301 | 7050 | 7912 |
| 34/ | 33 | | | | | | | | | | | | | 6307 | 6357 | 6714 | 7697 |
| 32/ | 31 | | | | | | | | | | | | | 5514 | 5549 | 6577 | 7387 |
| Element: X | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | |

USAFETAC
FORM 0 26-5 (G-1) (Rev. 1-64)
1

DATA PROCESSING BRANCH
USAF ETAC
AIR REATER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-72

ALL

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ALL

| | | WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------|-----|---------------------------------|------|------|------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|--------|--------|--------|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | DB | WB | DB | WB |
| 30/ | 29 | .7 | 1.9 | .4 | .0 | | | | | | | | | | | | | | | | | | | | | | | | 4312 | 4324 | 5149 | 6041 | |
| 28/ | 27 | .6 | 1.2 | .2 | .0 | | | | | | | | | | | | | | | | | | | | | | | | 3068 | 3078 | 4040 | 5097 | |
| 26/ | 25 | .5 | 1.0 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | | | 2375 | 2377 | 2826 | 3913 | |
| 24/ | 23 | .4 | .7 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | | | 1688 | 1688 | 2210 | 3146 | |
| 22/ | 21 | .3 | .6 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | 1377 | 1377 | 1636 | 2426 | |
| 20/ | 19 | .3 | .4 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | 1017 | 1033 | 1211 | 2042 | |
| 18/ | 17 | .2 | .3 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | 701 | 715 | 816 | 1615 | |
| 16/ | 15 | .2 | .2 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | 586 | 601 | 661 | 1279 | |
| 14/ | 13 | .1 | .2 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | 436 | 445 | 493 | 876 | |
| 12/ | 11 | .1 | .1 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | 340 | 342 | 383 | 615 | |
| 10/ | 9 | .2 | .1 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | 306 | 309 | 353 | 542 | |
| 8/ | 7 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | 159 | 159 | 185 | 513 | |
| 6/ | 5 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | 108 | 108 | 119 | 425 | |
| 4/ | 3 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | 62 | 62 | 69 | 230 | |
| 2/ | 1 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | 33 | 36 | 141 | |
| 0/ | -1 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 27 | 92 | |
| -2/ | -3 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 15 | 65 | |
| -4/ | -5 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 9 | 44 | |
| -6/ | -7 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 9 | 33 | |
| -8/ | -9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 |
| -10/ | -11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 |
| -12/ | -13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| -14/ | -15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| -16/ | -17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | 13.2 | 41.1 | 18.3 | 10.1 | 6.6 | 4.6 | 2.8 | 1.7 | .9 | .4 | .2 | .1 | .0 | .0 | .0 | | | | | | | | | | | | | 147303 | 146836 | 146837 | 146837 | |

| Element | X | X ² | X | X | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-----------|-----------|----------------|------------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 949632031 | 11572737 | 78.818.941 | 146825 | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Dry Bulb | 364084408 | 7018155 | 47.614.202 | 147203 | | 3.41349.2 | 761.0 | 308.7 | 80.1 | 1.3 | | 8760 |
| Wet Bulb | 307666445 | 6485422 | 44.212.022 | 146837 | | 3.71834.2 | 77.0 | 2.6 | .1 | | | 8760 |
| Dew Point | 264811621 | 5977431 | 40.712.095 | 146836 | | 16.82227.0 | 10.2 | .6 | | | | 8760 |

PSYCHROMETRIC SUMMARY

PAGE 1

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WET BULB TEMPERATURE DEPRESSION F

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USAFETAC FORM 0265 (02-64) JUL 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/PAO

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

54-72

FEH

PAGE 1

ALL

| WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | | | |
|---------------------------------|-----|-----|-----|-----|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| DB/ WB | DB | WB | WTD | WTD | WTD | WTD | WTD | WTD | WTD | | | |
| 68/ 67 | | | | | .0 | | | 1 | 1 | | | |
| 66/ 65 | | | | | .0 | .0 | | 3 | 3 | | | |
| 64/ 63 | | | | | .0 | .0 | | 3 | 3 | | | |
| 62/ 61 | | | | .0 | .1 | .0 | .0 | 12 | 12 | | | |
| 60/ 59 | | | | .1 | .1 | .0 | .0 | 21 | 21 | | | |
| 58/ 57 | | | .0 | .1 | .2 | .0 | .0 | 40 | 40 | | | |
| 56/ 55 | | .0 | .1 | .1 | .1 | .1 | .1 | 42 | 42 | | | |
| 54/ 53 | | .0 | .2 | .3 | .3 | .0 | | 93 | 93 | | | |
| 52/ 51 | .0 | .4 | .3 | .4 | .1 | .0 | | 164 | 164 | | | |
| 50/ 49 | .0 | .3 | .4 | .4 | .1 | .0 | | 190 | 190 | | | |
| 48/ 47 | .1 | .7 | 1.3 | .6 | .1 | | | 316 | 316 | | | |
| 46/ 45 | .2 | 2.3 | 1.1 | .7 | .1 | .0 | | 475 | 475 | | | |
| 44/ 43 | .3 | 3.0 | 1.4 | .6 | .1 | | | 595 | 595 | | | |
| 42/ 41 | .6 | 3.3 | 1.5 | .5 | .1 | | | 660 | 660 | | | |
| 40/ 39 | .8 | 3.5 | 1.7 | .5 | .0 | | | 729 | 729 | | | |
| 38/ 37 | 1.0 | 3.9 | 1.6 | .5 | | | | 775 | 775 | | | |
| 36/ 35 | 1.5 | 5.1 | 1.6 | .4 | .0 | | | 952 | 952 | | | |
| 34/ 33 | 1.9 | 4.9 | 1.8 | .3 | .0 | | | 975 | 975 | | | |
| 32/ 31 | 1.8 | 4.2 | 1.6 | .3 | .0 | | | 877 | 877 | | | |
| 30/ 29 | 1.5 | 4.3 | 1.4 | .2 | | | | 812 | 812 | | | |
| 28/ 27 | 2.0 | 4.0 | 1.1 | .1 | .0 | | | 792 | 792 | | | |
| 26/ 25 | 1.8 | 3.4 | .7 | .1 | | | | 666 | 666 | | | |
| 24/ 23 | .9 | 2.5 | .3 | .0 | | | | 412 | 412 | | | |
| 22/ 21 | .7 | 1.4 | .3 | .0 | | | | 259 | 259 | | | |
| 20/ 19 | .5 | 1.1 | .1 | | | | | 190 | 190 | | | |
| 18/ 17 | .6 | .8 | .1 | | | | | 166 | 166 | | | |
| 16/ 15 | .6 | .9 | .0 | | | | | 174 | 175 | | | |
| 14/ 13 | .6 | .6 | .0 | | | | | 138 | 140 | | | |
| 12/ 11 | .4 | .5 | .0 | | | | | 99 | 99 | | | |
| 10/ 9 | .8 | .3 | .0 | | | | | 124 | 124 | | | |
| 8/ 7 | .4 | .2 | | | | | | 68 | 68 | | | |
| 6/ 5 | .3 | .1 | | | | | | 46 | 46 | | | |
| 4/ 3 | .3 | .1 | | | | | | 44 | 44 | | | |
| 2/ 1 | .2 | .0 | | | | | | 26 | 26 | | | |
| Element X | Σ X | Σ X | X | X | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
| Rel. Hum. | | | | | | < 0 F | < 32 F | < 67 F | < 73 F | < 80 F | < 93 F | Total |
| Obs. Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAF ETAC

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DATE 4.

| | | |
|----|----|----|
| 14 | 14 | 17 |
| 12 | 12 | 11 |
| 11 | 11 | 9 |
| 1 | 1 | 9 |

10982 11009 11952

| Element | Σx | Σx^2 | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | |
|-----------|------------|--------------|------------|-------|----------|------------------------------------|------|-----|------|-----|-----|
| Re. H. H. | 74562134 | 594090 | 81.412,698 | 1.982 | 1 | 2.6 | 3.32 | 4.1 | 4.73 | 4.8 | 4.9 |
| De. B. B. | 13261683 | 364885 | 33.110,200 | 11009 | 2 | 2.6 | 3.32 | 4.1 | 4.73 | 4.8 | 4.9 |
| W. B. B. | 11749,30 | 343444 | 31.3,9,583 | 1.982 | 2 | 2.6 | 3.32 | 4.1 | 4.73 | 4.8 | 4.9 |
| De. P. B. | 9726914 | 305090 | 27.810,675 | 1.982 | 2 | 2.6 | 3.32 | 4.1 | 4.73 | 4.8 | 4.9 |

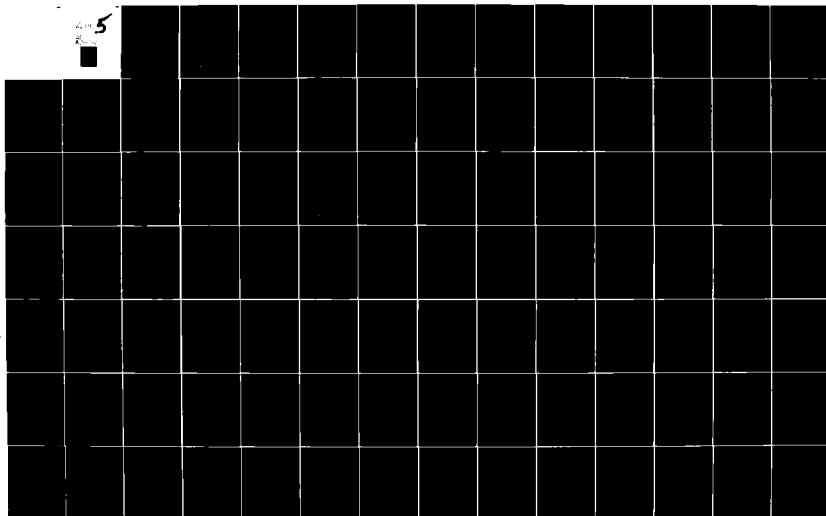
AD-A087 621

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F10-4/5
SENBACH AB, GERMANY; REVISED UNIFORM SUMMARY OF SURFACE WEATHER
SEP 74

UNCLASSIFIED USAFETAC/DS-80/061

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5



PSYCHROMETRIC SUMMARY

34056 - SEMBACH AB GERMANY

54-72

MAR

PAGE 1

Abstract

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PSYCHROMETRIC SUMMARY

MAR

Abstract

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PSYCHROMETRIC SUMMARY

APR
MAY 1964

Figure 1 shows a histogram of the number of contacts per individual. The x-axis is labeled 'Number of contacts' and ranges from 0 to 10. The y-axis is labeled 'Frequency' and ranges from 0 to 10. The distribution is skewed to the right, with a peak at 1 contact. The bars are black and the background is white.

| Temp.
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | TOTAL | | | | |
|--------------|-------------------------------------|------|------|------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|-------|-------|-------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 10/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | |
| 10/ 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| TOTAL | 6.1 | 32.5 | 22.9 | 14.3 | 9.9 | 6.8 | 3.9 | 2.2 | .9 | .3 | .2 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | | | 11805 | 11814 | 11805 |

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PAGE 1

ALL

| Temp.
(F) | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | TOTAL
D.B. W.B. Dry Bulb | TOTAL
Wet Bulb Dew Po. |
|--------------|--------------|------------|-----------|------------|----------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------------------------|---------------------------|
| 86/ 85 | | | | | | | | | | .0 | .0 | | | | | | | 4 | 4 |
| 84/ 83 | | | | | | | | | | .0 | .0 | | | | | | | 6 | 6 |
| 82/ 81 | | | | | | | | .0 | .0 | .0 | .0 | | | | | | | 10 | 10 |
| 80/ 79 | | | | | | .0 | | .0 | .1 | .1 | .1 | .0 | | | | | | 23 | 23 |
| 78/ 77 | | | | | | .0 | .1 | .1 | .1 | .2 | .0 | | | | | | | 63 | 63 |
| 76/ 75 | | | | .0 | .0 | .0 | .1 | .2 | .4 | .2 | .0 | .0 | | | | | | 127 | 127 |
| 74/ 73 | | | | | .0 | .1 | .3 | .4 | .3 | .1 | | | | | | | | 155 | 155 |
| 72/ 71 | | | | | .1 | .3 | .5 | .5 | .2 | .1 | .0 | | | | | | | 206 | 206 |
| 70/ 69 | | | | | .3 | .5 | .6 | .5 | .3 | .1 | .0 | | | | | | | 291 | 291 |
| 68/ 67 | | .0 | .0 | .3 | .4 | .6 | .5 | .3 | .3 | .0 | | | | | | | | 329 | 329 |
| 66/ 65 | | .0 | .2 | .3 | .5 | .9 | .6 | .5 | .2 | .0 | | | | | | | | 397 | 397 |
| 64/ 63 | | .1 | .4 | .6 | .8 | .9 | .6 | .3 | .1 | .0 | | | | | | | | 456 | 456 |
| 62/ 61 | | .4 | .9 | 1.0 | .9 | .9 | .7 | .1 | .0 | | | | | | | | | 564 | 564 |
| 60/ 59 | .1 | .7 | .9 | 1.2 | 1.4 | 1.2 | .6 | .1 | | | | | | | | | | 768 | 768 |
| 58/ 57 | .2 | 1.1 | 1.3 | 1.4 | 1.7 | .9 | .3 | .0 | | .0 | | | | | | | | 840 | 841 |
| 56/ 55 | .3 | 2.1 | 2.0 | 2.0 | 1.7 | .8 | .2 | .0 | | | | | | | | | | 1103 | 1108 |
| 54/ 53 | .6 | 2.5 | 2.2 | 1.9 | 1.5 | .6 | .1 | | | | | | | | | | | 1148 | 1161 |
| 52/ 51 | .4 | 2.7 | 2.8 | 2.1 | 1.0 | .3 | .1 | | | | | | | | | | | 1129 | 1162 |
| 50/ 49 | .5 | 3.6 | 3.4 | 1.7 | .5 | .2 | .0 | | | | | | | | | | | 1206 | 1206 |
| 48/ 47 | .3 | 3.3 | 2.4 | 1.0 | .2 | .0 | | | | | | | | | | | | 882 | 884 |
| 46/ 45 | .5 | 3.4 | 1.6 | .7 | .2 | .0 | | | | | | | | | | | | 774 | 774 |
| 44/ 43 | .4 | 2.8 | 1.0 | .4 | .1 | | | | | | | | | | | | | 572 | 573 |
| 42/ 41 | .6 | 2.1 | .8 | .1 | | | | | | | | | | | | | | 442 | 443 |
| 40/ 39 | .6 | 1.4 | .4 | .0 | | | | | | | | | | | | | | 290 | 291 |
| 38/ 37 | .2 | 1.1 | .1 | | | | | | | | | | | | | | | 179 | 179 |
| 36/ 35 | .2 | .5 | .0 | | | | | | | | | | | | | | | 102 | 102 |
| 34/ 33 | .2 | .2 | | | | | | | | | | | | | | | | 50 | 50 |
| 32/ 31 | .1 | .2 | | | | | | | | | | | | | | | | 32 | 32 |
| 30/ 29 | .1 | .1 | | | | | | | | | | | | | | | | 19 | 19 |
| 28/ 27 | | .0 | | | | | | | | | | | | | | | | 2 | 2 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | \le | | | | | | | | |

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| Temp | | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|-------------|-----|-----------------------------------|---|---|---|----------------|---|----------|---|------------------------------------|--------|--------|--------|--------|--------|-------|----|----|----|----|----|----|----|----|----|----|----|----|-------|----|-------|----|-----------------------------|
| F | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | DB-WB D. B. Wet-Bulb Dep. F |
| 98/ 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | |
| 96/ 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94/ 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92/ 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90/ 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80/ 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76/ 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74/ 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72/ 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Zx' | Zx | | X | | F _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | |
| Rel Hum. | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL |
|-----------|----------|---------------------------------|--------|-------|-------|-----|-----|----------|-----|------------------------------------|------|------|------|------|------|-------|-----|----|----|----|----|----|----|----|-------|-------|-------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 90/ 89 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 88/ 87 | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | |
| 86/ 85 | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | |
| 84/ 83 | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | |
| 82/ 81 | | | | | | | | | | | | | | | | | | | | | | | | | 38 | 38 | |
| 80/ 79 | | | | | | | | | | | | | | | | | | | | | | | | | 47 | 47 | |
| 78/ 77 | | | | | | | | | | | | | | | | | | | | | | | | | 85 | 85 | |
| 76/ 75 | | | | | | | | | | | | | | | | | | | | | | | | | 103 | 103 | |
| 74/ 73 | | | | | | | | | | | | | | | | | | | | | | | | | 185 | 185 | |
| 72/ 71 | | | | | | | | | | | | | | | | | | | | | | | | | 304 | 304 | |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | | | | | | 391 | 391 | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | | | | | 458 | 458 | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | | | | | 587 | 587 | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | | | | | 794 | 794 | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | | | | | 939 | 939 | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | | | | | 1196 | 1196 | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | | | | | 1197 | 1197 | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | | | | | 1302 | 1302 | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | | | | 1191 | 1191 | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | | | | 1155 | 1155 | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | | | | 863 | 863 | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | | 589 | 589 | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | | 441 | 441 | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | 295 | 295 | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | 182 | 182 | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | 95 | 95 | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | 63 | 63 | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | 11.235 | 0.019 | 0.012 | 6 | 8.8 | 6.4 | 3.4 | 1.9 | 1.0 | .4 | .1 | .0 | .1 | | | | | | | | | | | 12576 | 12563 | |
| Element X | | Zx | Zy | Zz | X | Y | Z | No. Obs. | | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | |
| Rel Hum. | 82058907 | 994852 | 79.216 | 152 | 12563 | | | | | 0 F | 32 F | 67 F | 73 F | 80 F | 83 F | | | | | | | | | | | | |
| Dir Bulb | 41877994 | 718306 | 37.1 | 8.223 | 12576 | | | | | | .1 | 94.1 | 28.1 | 5.3 | | | 720 | | | | | | | | | | |
| Wet Bulb | 35900357 | 667257 | 33.1 | 6.054 | 12563 | | | | | | .1 | 4.6 | | | | | 720 | | | | | | | | | | |
| Dew Point | 31956633 | 628781 | 30.1 | 6.220 | 12563 | | | | | | 2.8 | .1 | | | | | 720 | | | | | | | | | | |

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| Time | | WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | Total | | | | | | |
|-------------|----|---------------------------------|---|-----|---|---|---|----------------|---|----------|----|------------------------------------|--------|--------|--------|--------|--------|-------|
| Mo | Da | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 1 | 2 | 3 | 4 | | | |
| 64/ | 63 | | | | | | | | | | | 4 | 4 | | | | | |
| 62/ | 61 | | | | | | | | | | | 1 | 1 | | | | | |
| 60/ | 59 | | | | | | | | | | | 5 | 5 | | | | | |
| 58/ | 57 | | | | | | | | | | | 10 | 10 | | | | | |
| 56/ | 55 | | | | | | | | | | | 50 | 50 | 1 | | | | |
| 54/ | 53 | | | | | | | | | | | 59 | 59 | 32 | 8 | | | |
| 52/ | 51 | | | | | | | | | | | 98 | 110 | 70 | 43 | | | |
| 50/ | 49 | | | | | | | | | | | 122 | 123 | 92 | 48 | | | |
| 48/ | 47 | | | | | | | | | | | 344 | 343 | 204 | 124 | | | |
| 46/ | 45 | | | | | | | | | | | 320 | 323 | 421 | 309 | | | |
| 44/ | 43 | | | | | | | | | | | 706 | 711 | 618 | 447 | | | |
| 42/ | 41 | | | | | | | | | | | 820 | 822 | 748 | 582 | | | |
| 40/ | 39 | | | | | | | | | | | 879 | 883 | 889 | 726 | | | |
| 38/ | 37 | | | | | | | | | | | 921 | 1010 | 993 | 858 | | | |
| 36/ | 35 | | | | | | | | | | | 1171 | 1184 | 1100 | 1052 | | | |
| 34/ | 33 | | | | | | | | | | | 1372 | 1387 | 1280 | 1260 | | | |
| 32/ | 31 | | | | | | | | | | | 1416 | 1432 | 1409 | 1374 | | | |
| 30/ | 29 | | | | | | | | | | | 904 | 904 | 1084 | 1181 | | | |
| 28/ | 27 | | | | | | | | | | | 619 | 616 | 813 | 999 | | | |
| 26/ | 25 | | | | | | | | | | | 358 | 358 | 602 | 727 | | | |
| 24/ | 23 | | | | | | | | | | | 384 | 384 | 458 | 594 | | | |
| 22/ | 21 | | | | | | | | | | | 324 | 324 | 386 | 484 | | | |
| 20/ | 19 | | | | | | | | | | | 274 | 284 | 289 | 355 | | | |
| 18/ | 17 | | | | | | | | | | | 181 | 182 | 188 | 259 | | | |
| 16/ | 15 | | | | | | | | | | | 109 | 113 | 119 | 230 | | | |
| 14/ | 13 | | | | | | | | | | | 97 | 102 | 92 | 122 | | | |
| 12/ | 11 | | | | | | | | | | | 100 | 102 | 112 | 79 | | | |
| 10/ | 9 | | | | | | | | | | | 60 | 63 | 72 | 111 | | | |
| 8/ | 7 | | | | | | | | | | | 18 | 18 | 24 | 94 | | | |
| 6/ | 5 | | | | | | | | | | | 12 | 12 | 12 | 98 | | | |
| 4/ | 3 | | | | | | | | | | | 1 | 1 | 1 | 41 | | | |
| 2/ | 1 | | | | | | | | | | | | | | 19 | | | |
| 0/ | -1 | | | | | | | | | | | | | | 13 | | | |
| Element (X) | | Σ X' | | Σ X | | R | | P _a | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | |
| Rel. Hum. | | | | | | | | | | | | + 0 F | + 32 F | + 67 F | + 73 F | + 80 F | + 93 F | Total |
| Dry Bulb | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | |

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PAGE 1 0000-0200

| Temp | | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | |
|--------|--|-------------------------------------|-------|-----|----|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|-------|-------|-------|------|---|
| F | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | DB WB | DB WB | DB WB | DB WB | | |
| 52/ 51 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 50/ 49 | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 3 | |
| 48/ 47 | | | .1 | .5 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 3 | 3 | |
| 46/ 45 | | .2 | 1.4 | .4 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 38 | 38 | 29 | 9 | | |
| 44/ 43 | | .8 | 1.8 | .9 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 52 | 52 | 35 | 25 | | |
| 42/ 41 | | .4 | 2.9 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 55 | 55 | 41 | 36 | | |
| 40/ 39 | | .5 | 2.8 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 55 | 55 | 69 | 39 | | |
| 38/ 37 | | .7 | 4.7 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 89 | 89 | 71 | 52 | | |
| 36/ 35 | | 2.4 | 7.4 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 144 | 144 | 120 | 101 | | |
| 34/ 33 | | 2.8 | 7.0 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 143 | 143 | 138 | 139 | | |
| 32/ 31 | | 2.7 | 7.6 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 148 | 148 | 138 | 144 | | |
| 30/ 29 | | 2.4 | 5.3 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 112 | 112 | 139 | 122 | | |
| 28/ 27 | | 3.3 | 3.6 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 101 | 101 | 122 | 128 | | |
| 26/ 25 | | 2.6 | 2.4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 71 | 71 | 73 | 117 | | |
| 24/ 23 | | 1.8 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 58 | 58 | 70 | 67 | | |
| 22/ 21 | | 2.2 | 3.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 72 | 72 | 68 | 64 | | |
| 20/ 19 | | 1.8 | 2.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 61 | 61 | 70 | 68 | | |
| 18/ 17 | | .7 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | 38 | 39 | | |
| 16/ 15 | | 2.0 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 48 | 48 | 53 | 47 | | |
| 14/ 13 | | 1.4 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 30 | 32 | | |
| 12/ 11 | | .5 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 20 | 44 | | |
| 10/ 9 | | 1.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 21 | 26 | | |
| 8/ 7 | | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 12 | 23 | | |
| 6/ 5 | | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 10 | 23 | | |
| 4/ 3 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 10 | | |
| 2/ 1 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 10 | | |
| 0/ -1 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 9 | | |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 |
| TOTAL | | 32.1 | 100.6 | 6.3 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1395 | 1395 | 1395 | 1395 | |

| Element (X) | Z ₁ | Z ₂ | X | σ _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|----------------|----------------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 10079888 | 121821 | 87.1 | 8.210 | 1395 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 1970488 | 41812 | 28.8 | 9.109 | 1395 | .1 | 22.9 | | | | | 91 |
| Wet Bulb | 1278988 | 40874 | 28.8 | 8.778 | 1395 | .1 | 27.7 | | | | | 92 |
| Dew Point | 1110781 | 27008 | 26.2 | 9.028 | 1395 | .2 | 26.1 | | | | | 91 |

FORM 0-26.5 (O.L.A.) REVISI...
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24-72

PSYCHROMETRIC SUMMARY

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PAGE 1 C300-050C

| Temp. | | WET BULB TEMPERATURE DEPRESSION (F.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | | TOTAL | | | |
|-------|----|--------------------------------------|------|-----|-----|----|---|----|---|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|------|------|-------|----------|---------|--|
| F | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. | W.B. | D.P. | H. | Wet Bulb | Dew Pt. | |
| 30/ | 49 | | | .2 | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | 6 | | | | |
| 48/ | 47 | | .1 | .1 | | | | .1 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 12 | | 12 | | | | |
| 46/ | 45 | | .2 | 1.3 | | | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | | 36 | | 24 | | |
| 44/ | 43 | | .4 | 1.4 | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | | 36 | | 27 | | |
| 42/ | 41 | | .3 | 2.6 | | | | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | 53 | | 54 | | 30 | | |
| 40/ | 39 | | .4 | 2.2 | | | | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | 66 | | 67 | | 30 | | |
| 38/ | 37 | | 1.4 | 4.7 | | | | .2 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 94 | | 94 | | 83 | | |
| 36/ | 35 | | 2.2 | 3.0 | | | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 111 | | 111 | | 102 | | |
| 34/ | 33 | | 3.8 | 6.2 | | | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 132 | | 133 | | 140 | | |
| 32/ | 31 | | 3.0 | 7.7 | | | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 162 | | 162 | | 137 | | |
| 30/ | 29 | | 2.6 | 5.8 | | | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | 127 | | 127 | | 136 | | |
| 28/ | 27 | | 2.4 | 4.1 | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 100 | | 100 | | 119 | | |
| 26/ | 25 | | 2.7 | 2.5 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 79 | | 79 | | 91 | | |
| 24/ | 22 | | 2.0 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 64 | | 64 | | 61 | | |
| 22/ | 21 | | 3.1 | 2.4 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 81 | | 81 | | 88 | | |
| 20/ | 19 | | 1.8 | 2.1 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | | 32 | | 38 | | |
| 18/ | 17 | | 1.5 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 45 | | 45 | | 35 | | |
| 16/ | 15 | | 1.4 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 44 | | 44 | | 49 | | |
| 14/ | 13 | | .7 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | | 31 | | 31 | | |
| 12/ | 11 | | 1.2 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | | 22 | | 42 | | |
| 10/ | 9 | | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | 6 | | 7 | | |
| 8/ | 7 | | 1.2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | | 21 | | 20 | | |
| 6/ | 5 | | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | | 12 | | 14 | | |
| 4/ | 2 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 2 | | 2 | | |
| 2/ | 1 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 3 | | 3 | | |
| 0/ | -1 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 2 | | 2 | | |
| -2/ | -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -4/ | -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -6/ | -7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | 22.2 | 27.4 | 2.7 | 1.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1461 | | 1467 | | 1461 | 1461 | |
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0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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| | | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|----|-------------------------------------|-----|-----|----|----|--------|---|---|---|---|------|----|----|----|----|----------------|----|----|----|----|----------|----|----|----|----|------------------------------------|----|----|----|----|--------|----|----|-----|----------|----------|-------|-------|--|-------|--------|--|--|--|--|--------|--|--|--|--|--------|--|--|--|--|-------|--|--|--|--|------|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | DB | WB | Dry Bulb | Wet Bulb | Dew P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/ | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54/ | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52/ | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/ | 49 | .1 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48/ | 47 | .4 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | 25 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46/ | 45 | .7 | 1.0 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 62 | 62 | 44 | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44/ | 43 | .7 | 2.5 | 1.6 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 87 | 87 | 56 | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ | 41 | .4 | 3.4 | 1.6 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 95 | 95 | 82 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ | 39 | .9 | 4.2 | 2.2 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 126 | 126 | 111 | 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38/ | 37 | .5 | 4.2 | 1.8 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 111 | 112 | 122 | 101 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36/ | 35 | 1.9 | 6.3 | 1.9 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 169 | 169 | 156 | 123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34/ | 33 | 3.0 | 6.0 | 1.5 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 179 | 180 | 172 | 169 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ | 31 | 1.8 | 7.5 | .8 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 169 | 170 | 180 | 155 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30/ | 29 | 1.5 | 5.0 | 1.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 126 | 126 | 137 | 176 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28/ | 27 | 1.8 | 3.9 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 103 | 103 | 131 | 122 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26/ | 25 | 1.2 | 2.6 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 71 | 71 | 84 | 105 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24/ | 23 | 1.0 | 4.2 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 90 | 90 | 80 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22/ | 21 | .8 | 2.2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | 33 | 84 | 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20/ | 19 | .4 | 2.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 42 | 42 | 42 | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18/ | 17 | .4 | 1.5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | 33 | 42 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16/ | 15 | .1 | 1.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 26 | 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14/ | 13 | .3 | .7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 26 | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/ | 11 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 13 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/ | 9 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 11 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/ | 7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 2 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/ | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/ | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2/ | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0/ | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -4/ | -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -6/ | -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -8/ | -7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -10/ | -9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | 17.461.5 | | | | | | | | | | 10.9 | | | | | | | | | | 3.2 | | | | | | | | | | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1647 | | | | | | | | | | 1650 | | | | | | | | | | 1647 | | | | | | | | | |
| Element (X) | | Σ X ² | | | | | Σ X | | | | | X | | | | | X ² | | | | | No. Obs. | | | | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | 11490000 | | | | | 130334 | | | | | 82.8 | | | | | 11.241 | | | | | 1647 | | | | | ≤ 0 F | | | | | ≤ 32 F | | | | | ≤ 67 F | | | | | ≤ 73 F | | | | | ≤ 80 F | | | | | ≤ 93 F | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | 1916312 | | | | | 50804 | | | | | 33.0 | | | | | 8.383 | | | | | 1680 | | | | | | | | | | 42.0 | | | | | | | | | | | | | | | | | | | | | | | | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | 1726467 | | | | | 91671 | | | | | 31.4 | | | | | 8.008 | | | | | 1647 | | | | | | | | | | 49.6 | | | | | | | | | | | | | | | | | | | | | | | | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | 1669889 | | | | | 66438 | | | | | 28.2 | | | | | 9.284 | | | | | 1647 | | | | | .2 | | | | | 60.0 | | | | | | | | | | | | | | | | | | | | | | | | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

34056 SENBACH AB GERMANY

54-72

JAN

PAGE 1 1500-1700

| Temp. | | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | | TOTAL | | | | | | | | | | | | | | | | |
|-------------|----|-----------------------------------|------|------|---|-----|--------|---|---|---|---|------------|----|----|----|----|-------|----|----|----|----|----------|----|----|----|----|------------------------------------|----|----|----|----|--------|-------|----|------|---|--------|----------|--------|------|--|--------|--|--|--|--|--------|--|--|--|--|-------|--|
| F | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | DB | WB | D | B | Wet Bulb | Dew P. | | | | | | | | | | | | | | |
| 50/ | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 3 | | | | | | | | | | | | | | | | |
| 54/ | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | 4 | | | | | | | | | | | | | | | | |
| 52/ | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | 8 | | | | | | | | | | | | | | | | |
| 50/ | 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | | 21 | | 2 | 1 | | | | | | | | | | | | | |
| 48/ | 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | 40 | | 21 | 8 | | | | | | | | | | | | | |
| 46/ | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 55 | | 55 | | 44 | 16 | | | | | | | | | | | | | |
| 44/ | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 91 | | 91 | | 50 | 39 | | | | | | | | | | | | | |
| 42/ | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 88 | | 88 | | 97 | 50 | | | | | | | | | | | | | |
| 40/ | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 123 | | 123 | | 85 | 63 | | | | | | | | | | | | | |
| 38/ | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 142 | | 144 | | 113 | 71 | | | | | | | | | | | | | |
| 36/ | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 174 | | 174 | | 181 | 132 | | | | | | | | | | | | | |
| 34/ | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 188 | | 188 | | 200 | 157 | | | | | | | | | | | | | |
| 32/ | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 138 | | 138 | | 176 | 171 | | | | | | | | | | | | | |
| 30/ | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 131 | | 131 | | 145 | 155 | | | | | | | | | | | | | |
| 28/ | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 93 | | 93 | | 129 | 141 | | | | | | | | | | | | | |
| 26/ | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 81 | | 81 | | 77 | 127 | | | | | | | | | | | | | |
| 24/ | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 85 | | 85 | | 79 | 92 | | | | | | | | | | | | | |
| 22/ | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 58 | | 58 | | 76 | 75 | | | | | | | | | | | | | |
| 20/ | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | 40 | | 64 | 62 | | | | | | | | | | | | | |
| 18/ | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | | 23 | | 28 | 57 | | | | | | | | | | | | | |
| 16/ | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | | 20 | | 29 | 54 | | | | | | | | | | | | | |
| 14/ | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | | 19 | | 21 | 35 | | | | | | | | | | | | | |
| 12/ | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | 4 | | 10 | 27 | | | | | | | | | | | | | |
| 10/ | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 3 | | 4 | 29 | | | | | | | | | | | | | |
| 8/ | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 21 | | | | | | | | | | | | | | |
| 6/ | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | | | | | | | | | | | | | | |
| 4/ | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | |
| 2/ | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 0/ | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| -2/ | -9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| TOTAL | | 16.4 | 58.7 | 19.9 | | 4.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1632 | | 1634 | | 1632 | 1632 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | | Σ X' | | | | | Σ X | | | | | Σ | | | | | Σ | | | | | No. Obs. | | | | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | 11176636 | | | | | 125704 | | | | | 81.911.000 | | | | | 1632 | | | | | ≤ 0 F | | | | | ≤ 32 F | | | | | ≥ 67 F | | | | | ≥ 73 F | | | | | ≥ 80 F | | | | | ≥ 93 F | | | | | Total | |
| Dry Bulb | | 1925566 | | | | | 24901 | | | | | 32.4 | | | | | 8.114 | | | | | 1632 | | | | | | | | | | 39.0 | | | | | | | | | | | | | | | | | | | | 93 | |
| Wet Bulb | | 1722777 | | | | | 21901 | | | | | 31.6 | | | | | 7.734 | | | | | 1632 | | | | | | | | | | 47.0 | | | | | | | | | | | | | | | | | | | | 93 | |
| Dew Point | | 1682710 | | | | | 20021 | | | | | 28.2 | | | | | 9.004 | | | | | 1632 | | | | | .2 | | | | | 61.5 | | | | | | | | | | | | | | | | | | | | 93 | |

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

54-68

JA-

PAGE 1 1800-2000

[illegible]

54-68

PSYCHROMETRIC SUMMARY

PAGE 1 2100-2300

[illegible]

PSYCHROMETRIC SUMMARY

24-68

FEB

PAGE 1 CC00-0200

[illegible]

1

54-68

FE8

| WET BULB TEMPERATURE DEPRESSION - F | | TOTAL | |
|---|---------------------|----------------|------------------|
| 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | | DB WB D - Bulb | Wet Bulb - Dew P |
| -12/-13 | | | 2 |
| -14/-15 | | | 1 |
| TOTAL | 27.256.213.6 2.6 .4 | 1270 1272 | 1270 |

| Element (X) | Z _H | Z _L | X̄ | s _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|----------------|----------------|------------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 9204869 | 107209 | 84.411.028 | | 1270 | | | | | | | |
| Dry Bulb | 1396488 | 40006 | 31.810.427 | | 1272 | .6 | 48.2 | | | | | 84 |
| Wet Bulb | 1274839 | 38207 | 30.19.921 | | 1270 | .6 | 48.2 | | | | | 84 |
| Dew Point | 1091277 | 34477 | 27.111.068 | | 1270 | 1.9 | 54.2 | | | | | 84 |

PSYCHROMETRIC SUMMARY

FEB

PAGE 1 0300-0500

| WET BULB TEMPERATURE DEPRESSION IF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|------------------|-----|-----|-----|-----|-----|---|---|---|----|----|----|----|----|----|----------------|----|----|----|----|----------|----|----|----|----|------------------------------------|----|----|----|----|----|--------|------|----------|----------|-----------|--|--------|--|--|--|--|--|--------|--|--|--|--|--|--------|--|--|--|--|--|--------|--|--|--|--|--|-------|--|
| Temp. F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54/ 53 | | | | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52/ 51 | | | .1 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/ 49 | | | .2 | .3 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48/ 47 | .2 | .3 | .4 | .5 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 32 | 12 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46/ 45 | .3 | .4 | .5 | .6 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 54 | 54 | 27 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44/ 43 | .4 | .5 | .6 | .7 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | 54 | 54 | 27 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 41 | .5 | .6 | .7 | .8 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | 62 | 62 | 31 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | .6 | .7 | .8 | .9 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | 62 | 62 | 31 | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38/ 37 | .7 | .8 | .9 | 1.0 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | 87 | 87 | 43 | 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36/ 35 | .8 | .9 | 1.0 | 1.1 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 81 | 81 | 40 | 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34/ 33 | .9 | 1.0 | 1.1 | 1.2 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 93 | 93 | 46 | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | 1.0 | 1.1 | 1.2 | 1.3 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 124 | 124 | 62 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30/ 29 | 1.1 | 1.2 | 1.3 | 1.4 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 99 | 100 | 50 | 111 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28/ 27 | 1.2 | 1.3 | 1.4 | 1.5 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | 86 | 86 | 43 | 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26/ 25 | 1.3 | 1.4 | 1.5 | 1.6 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 117 | 117 | 58 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24/ 23 | 1.4 | 1.5 | 1.6 | 1.7 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | 90 | 90 | 45 | 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22/ 21 | 1.5 | 1.6 | 1.7 | 1.8 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | 79 | 79 | 39 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | 1.6 | 1.7 | 1.8 | 1.9 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | 51 | 51 | 25 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18/ 17 | 1.7 | 1.8 | 1.9 | 2.0 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 14 | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16/ 15 | 1.8 | 1.9 | 2.0 | 2.1 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 7 | 42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14/ 13 | 1.9 | 2.0 | 2.1 | 2.2 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 30 | 27 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/ 11 | 2.0 | 2.1 | 2.2 | 2.3 | 2.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | 28 | 32 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/ 9 | 2.1 | 2.2 | 2.3 | 2.4 | 2.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 14 | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/ 7 | 2.2 | 2.3 | 2.4 | 2.5 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 28 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/ 5 | 2.3 | 2.4 | 2.5 | 2.6 | 2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 9 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4/ 3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 11 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2/ 1 | 2.5 | 2.6 | 2.7 | 2.8 | 2.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 16 | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0/ -1 | 2.6 | 2.7 | 2.8 | 2.9 | 2.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 6 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2/ -3 | 2.7 | 2.8 | 2.9 | 3.0 | 2.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -4/ -5 | 2.8 | 2.9 | 3.0 | 3.1 | 3.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -6/ -7 | 2.9 | 3.0 | 3.1 | 3.2 | 3.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -8/ -9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -10/ -11 | 3.1 | 3.2 | 3.3 | 3.4 | 3.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -12/ -13 | 3.2 | 3.3 | 3.4 | 3.5 | 3.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ X ² | | | | | Σ X | | | | | X̄ | | | | | F _s | | | | | No. Obs. | | | | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | ≤ 0 F | | | | | | ≥ 32 F | | | | | | ≥ 67 F | | | | | | ≥ 73 F | | | | | | ≥ 80 F | | | | | | ≥ 93 F | | | | | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|------------------------------------|--|-----------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----|-------|-----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 60/ 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 64/ 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 2 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | 33 | 11 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 30 | 12 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 35 | 35 | 26 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 37 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 81 | 81 | 65 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 88 | 88 | 71 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 113 | 113 | 95 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 121 | 121 | 100 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 128 | 128 | 133 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 128 | 128 | 141 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 132 | 132 | 138 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 88 | 88 | 124 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 103 | 103 | 98 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 94 | 94 | 117 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 69 | 69 | 94 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 30 | 68 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 30 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 28 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 28 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 18 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 13 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 6 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | 9 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 7 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 2 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 2 |
| 0/ 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 2 |
| Element (X) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. Obs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ± 0 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ± 32 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ± 67 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ± 73 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ± 80 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ± 93 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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PSYCHROMETRIC SUMMARY

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| WET BULB TEMPERATURE DEPRESSION F | | TOTAL | | TOTAL | |
|-----------------------------------|---------------------------|-------|--|-------|------|
| | | DB WB | | DB WB | |
| -2/-3 | | | | | |
| -4/-5 | | | | | |
| -6/-7 | | | | | |
| -8/-9 | | | | | |
| -10/-11 | | | | | |
| TOTAL | 9.343.530.112.9 3.4 .5 .3 | | | 1465 | 1468 |
| | | | | 1465 | 1465 |

| Element (X) | Z ₁ | Z ₂ | X | °s | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|----------------|----------------|------------|----|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Rel. Hum. | 8750004 | 111404 | 76.112.802 | | 1408 | | | | | | | |
| Dry Bulb | 2088747 | 82112 | 20.2 9.097 | | 1408 | .1 | 27.0 | | | | | 84 |
| Wet Bulb | 1756974 | 49054 | 33.2 0.842 | | 1408 | .1 | 30.8 | | | | | 84 |
| Dew Point | 1386261 | 48501 | 29.010.331 | | 1408 | 1.3 | 30.2 | | | | | 84 |

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| WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | |
|-------------------------------------|-----|-----|-----|-----|----|----|-----|----|----|----|--|-----|----|----|--|--|-----|--|--|--|--|-----|--|--|--|--|-----|--|--|--|-------|-----|-------|-----|----------|-------|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | DB | WB | DB | WB | Wet Bulb | Dew P |
| 68/ 67 | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | |
| 68/ 65 | | | | | | | | | | | | .1 | .1 | | | | | | | | | | | | | | | | | | | 2 | 2 | | | |
| 64/ 63 | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | 1 | 1 | | | |
| 62/ 61 | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | 6 | 6 | | | |
| 60/ 59 | | | | | | | .2 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | | | | |
| 58/ 57 | | | | .1 | .4 | .7 | | | | .1 | | | | | | | | | | | | | | | | | | | | | 20 | 20 | 1 | | | |
| 56/ 55 | | | .1 | .3 | .3 | .3 | | | | .3 | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 1 | | | |
| 54/ 53 | | | .1 | .3 | .7 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 13 | | | |
| 52/ 51 | .1 | .3 | .7 | .7 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | 18 | 4 | | |
| 50/ 49 | | .1 | 1.4 | .1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 34 | 25 | 9 | | |
| 48/ 47 | | 1.0 | 1.7 | 1.6 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | 71 | 71 | 36 | 18 | | |
| 46/ 45 | .1 | 2.1 | 2.1 | 1.5 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 89 | 89 | 61 | 21 | | |
| 44/ 43 | .1 | 2.9 | 2.9 | 2.0 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 122 | 122 | 70 | 52 | | |
| 42/ 41 | .2 | 2.5 | 2.6 | 1.4 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 117 | 117 | 120 | 65 | | |
| 40/ 39 | .4 | 2.7 | 2.6 | 1.2 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | 106 | 106 | 113 | 107 | | |
| 38/ 37 | .3 | 3.1 | 2.7 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | 115 | 115 | 127 | 75 | | |
| 36/ 35 | 1.1 | 4.0 | 3.1 | 1.4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 142 | 143 | 130 | 119 | | |
| 34/ 33 | 1.2 | 2.6 | 3.2 | 1.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 119 | 119 | 130 | 127 | | |
| 32/ 31 | .5 | 2.8 | 2.3 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 99 | 99 | 126 | 119 | | |
| 30/ 29 | .9 | 2.1 | 2.6 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | 94 | 94 | 125 | 103 | | |
| 28/ 27 | 1.1 | 3.3 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 88 | 88 | 112 | 114 | | |
| 26/ 25 | .2 | 2.3 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 57 | 57 | 89 | 93 | | |
| 24/ 23 | .3 | .4 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 14 | 63 | 92 | | |
| 22/ 21 | | .6 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 11 | 78 | | |
| 20/ 19 | .1 | 1.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 20 | 69 | | |
| 18/ 17 | .1 | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 25 | 42 | | |
| 16/ 15 | | .5 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 14 | 42 | | |
| 14/ 13 | | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 10 | 21 | | |
| 12/ 11 | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 10 | 28 | | |
| 10/ 9 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 1 | 22 | | |
| 8/ 7 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 4 | 16 | | |
| 6/ 5 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 2 | 7 | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | |
| 2/ 1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 3 | 2 | | |
| Element (X) | | Σ X | | | | | Σ X | | | | | Σ X | | | | | Σ X | | | | | Σ X | | | | | Σ X | | | | | | | | | |
| Rel Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dir Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | TOTAL | TOTAL | | |
|-------------------------------------|--------------|-----|----|----|--|--|--|--|--|--|-------|-------|------|----------------|
| | | | | | | | | | | | DB | WB | D.P. | Wet Bulb Dep F |
| -12/-13 | | | | | | | | | | | | | 1 | |
| -10/-17 | | | | | | | | | | | | | 1 | |
| TOTAL | 10,659,516.9 | 4.2 | .6 | .2 | | | | | | | 1270 | 1270 | 1270 | |

| Element (X) | Z _x ¹ | Z _x | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|-----------------------------|----------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Rel. Hum. | 8805782 | 104672 | 82.611 | 8.869 | 1270 | | | | | | | |
| Dry Bulb | 1469270 | 41402 | 32.6 | 9.711 | 1270 | .3 | 40.7 | | | | | 84 |
| Wet Bulb | 1221201 | 39291 | 30.9 | 9.207 | 1270 | .3 | 42.4 | | | | | 84 |
| Dew Point | 1109112 | 35082 | 27.610 | 8.502 | 1270 | .9 | 52.1 | | | | | 84 |

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MAR

PAGE 2 1200-1400

USAFETAC FORM 0-26-5 (OLA)
RE-USED PREVIOUS EDITIONS 1 THIS IS AN ABLE EDITION

PAGE 2 1500-1700

| | | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|-------------|----------------|-----------------------------------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|----|----|----|----|----|----|-------|----|----|----|----|----|----|----|----|----|----|----|-------|-------|----------|----------|-----------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Dry Bulb | Wet Bulb | Dew Point |
| TOTAL | | 2.317 | .226 | .020 | .417 | .8 | 9.7 | 3.8 | 1.9 | .8 | .1 | .1 | | | | | | | | | | | | | | | | | | | 1643 | 1643 | 1643 | |
| Element (X) | Z _x | Z _y | X̄ | S _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | Total | | | | | | | | | | | | | | | | |
| Rel. Hum. | 7181481 | 105119 | 64.0 | 16.002 | 1643 | = 0 F | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 2472205 | 74041 | 48.1 | 9.120 | 1643 | | 8.8 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 2677472 | 68208 | 39.7 | 7.392 | 1643 | | 10.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | 1884590 | 55760 | 32.7 | 8.742 | 1643 | | 42.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

DATA PROCESSING BRANCH
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PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

24-09-72

MAR

PAGE 1 1800-2000

| | | WET BULB TEMPERATURE DEPRESSION °F | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | |
|--------|----|------------------------------------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|-------|------|----|-----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 68/ 67 | | | | | | | | | | | | | | | .1 | .1 | | | | | | | | | | 3 | 3 | | | | |
| 66/ 65 | | | | | | | | | | | | | | | .1 | .1 | | | | | | | | | | 2 | 2 | | | | |
| 64/ 63 | | | | | | | | | | | | | | .1 | .2 | .1 | | | | | | | | | | 6 | 6 | | | | |
| 62/ 61 | | | | | | | .1 | .1 | .4 | .1 | | | | | | | | | | | | | | | | 10 | 10 | | | | |
| 60/ 59 | | | | | | .1 | .4 | .4 | .2 | | | | | | | | | | | | | | | | | 16 | 16 | | | | |
| 58/ 57 | | | | .2 | .2 | .8 | .6 | .1 | .1 | | | | | | | | | | | | | | | | | 28 | 28 | | | | |
| 56/ 55 | | .1 | .4 | .9 | .7 | .5 | .1 | | | | | | | | | | | | | | | | | | | 39 | 39 | 2 | | | |
| 54/ 53 | | .1 | .1 | 1.8 | 1.3 | .4 | .1 | | | | | | | | | | | | | | | | | | | 54 | 54 | 17 | | | |
| 52/ 51 | | .2 | 1.4 | 2.1 | .4 | .3 | .1 | | | | | | | | | | | | | | | | | | | 62 | 62 | 29 | | | 3 |
| 50/ 49 | .1 | 1.2 | 2.0 | 2.4 | .8 | .4 | .1 | | | | | | | | | | | | | | | | | | | 94 | 94 | 44 | | | 12 |
| 48/ 47 | .5 | 2.7 | 2.7 | 1.9 | .7 | .3 | | | | | | | | | | | | | | | | | | | | 124 | 124 | 100 | | | 32 |
| 46/ 45 | .6 | 3.1 | 3.4 | 2.7 | .1 | .1 | | | | | | | | | | | | | | | | | | | | 145 | 145 | 140 | | | 39 |
| 44/ 43 | .4 | 2.6 | 2.4 | 1.9 | .9 | .1 | | | | | | | | | | | | | | | | | | | | 118 | 118 | 124 | | | 103 |
| 42/ 41 | .1 | 2.4 | 3.8 | 2.1 | .3 | | | | | | | | | | | | | | | | | | | | | 124 | 124 | 132 | | | 100 |
| 40/ 39 | .2 | 1.8 | 3.8 | 1.8 | .4 | | | | | | | | | | | | | | | | | | | | | 112 | 112 | 129 | | | 103 |
| 38/ 37 | .1 | 1.3 | 2.7 | 1.3 | .9 | | | | | | | | | | | | | | | | | | | | | 88 | 88 | 125 | | | 118 |
| 36/ 35 | .5 | 2.1 | 3.0 | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | | 96 | 96 | 121 | | | 116 |
| 34/ 33 | .2 | 1.6 | 1.8 | 1.0 | | | | | | | | | | | | | | | | | | | | | | 65 | 65 | 91 | | | 118 |
| 32/ 31 | .3 | 1.8 | 2.1 | .4 | | | | | | | | | | | | | | | | | | | | | | 63 | 63 | 90 | | | 104 |
| 30/ 29 | .7 | 2.4 | 2.0 | .4 | | | | | | | | | | | | | | | | | | | | | | 77 | 77 | 104 | | | 98 |
| 28/ 27 | .4 | 1.5 | 1.3 | .1 | | | | | | | | | | | | | | | | | | | | | | 45 | 45 | 66 | | | 93 |
| 26/ 25 | .4 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 37 | | | 74 |
| 24/ 23 | .1 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 24 | | | 83 |
| 22/ 21 | | .3 | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 9 | | | 43 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 48 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| TOTAL | | 4.426.233.422.5 8.3 3.4 1.1 .4 .1 | | | | | | | | | | | | | | | | | | | | | | | | 1399 | 1399 | 1399 | 1399 | | |

| Element (X) | Z _x | Z _y | X | Y | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|----------------|----------------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|----|
| Rel Hum. | 7305304 | 99020 | 70.8 | 14.870 | 1399 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Dry Bulb | 2391091 | 99027 | 62.2 | 8.440 | 1399 | | 14.2 | .2 | | | | 93 |
| Wet Bulb | 2123886 | 99224 | 38.3 | 7.279 | 1399 | | 23.3 | | | | | 93 |
| Dew Point | 1616655 | 98997 | 32.9 | 8.639 | 1399 | | 42.2 | | | | | 93 |

0 26 5 (LOCAL) 1800-2000

USAF ETAC

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DATA PROCESSING BRANCH
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| | | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------|--------|-----------------------------------|------|-----|----|----|----|----|----|----|----|----|----|-------|------|-------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 66/ 65 | | | | | | | | | | | | | | 1 | 1 | | |
| 64/ 63 | | | | | | | | | | | | | | 1 | 1 | | |
| 62/ 61 | | | | | | | | | | | | | | 8 | 8 | | |
| 60/ 59 | | | | | | | | | | | | | | 12 | 12 | | |
| 58/ 57 | | | | | | | | | | | | | | 19 | 19 | 2 | 1 |
| 56/ 55 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | 27 | 27 | 3 | 1 |
| 54/ 53 | | .8 | 1.2 | .6 | .3 | .1 | | | | | | | | 40 | 40 | 23 | 1 |
| 52/ 51 | .3 | 2.4 | 1.1 | .7 | .4 | .1 | | | | | | | | 69 | 69 | 50 | 17 |
| 50/ 49 | .4 | 3.6 | 1.7 | 1.3 | .3 | | | | | | | | | 98 | 98 | 78 | 41 |
| 48/ 47 | 1.2 | 4.7 | 3.9 | 1.9 | .7 | | | | | | | | | 168 | 168 | 98 | 93 |
| 46/ 45 | 1.0 | 3.9 | 3.7 | 2.4 | .1 | | | | | | | | | 151 | 151 | 122 | 100 |
| 44/ 43 | .7 | 4.1 | 1.9 | .9 | .1 | | | | | | | | | 103 | 103 | 150 | 111 |
| 42/ 41 | .3 | 4.5 | 2.5 | 1.5 | .1 | | | | | | | | | 120 | 120 | 143 | 85 |
| 40/ 39 | 1.0 | 5.0 | 4.0 | .8 | | | | | | | | | | 143 | 143 | 126 | 124 |
| 38/ 37 | 1.8 | 4.6 | 2.4 | .3 | | | | | | | | | | 122 | 122 | 158 | 132 |
| 36/ 35 | .7 | 3.9 | 1.4 | .4 | | | | | | | | | | 87 | 87 | 129 | 134 |
| 34/ 33 | 1.5 | 2.7 | 1.9 | .1 | | | | | | | | | | 84 | 84 | 103 | 141 |
| 32/ 31 | .3 | 2.4 | .6 | | | | | | | | | | | 44 | 44 | 73 | 122 |
| 30/ 29 | .4 | 1.4 | .5 | | | | | | | | | | | 32 | 32 | 56 | 86 |
| 28/ 27 | .1 | .7 | | | | | | | | | | | | 11 | 11 | 20 | 69 |
| 26/ 25 | .1 | | | | | | | | | | | | | 2 | 2 | 16 | 33 |
| 24/ 23 | | | | | | | | | | | | | | | | | 26 |
| 22/ 21 | | | | | | | | | | | | | | | | | 22 |
| 20/ 19 | | | | | | | | | | | | | | | | | 9 |
| 18/ 17 | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 10.045 | 0.27 | 4.13 | 0.3 | .7 | .4 | .1 | | | | | | | 1350 | 1350 | 1350 | 1350 |

| Element | X | Z | X | Z | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-----------|---------|--------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 8998986 | 108958 | 80.7 | 12.316 | 1350 | < 0 F | < 32 F | > 67 F | > 73 F | > 80 F | > 93 F | |
| Dry Bulb | 2560364 | 38014 | 43.0 | 7.064 | 1350 | | 3.9 | | | | | 90 |
| Wet Bulb | 2253981 | 36469 | 40.2 | 6.460 | 1350 | | 11.0 | | | | | 90 |
| Dew Point | 1933767 | 30168 | 37.2 | 7.187 | 1350 | | 26.6 | | | | | 90 |

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| TEMPERATURE DEPRESSION | | | | | | | | | | TOTAL | | | |
|------------------------|--------|-------|-----|-----|----|----|---|---|---|-------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 60/ 59 | | | | | .2 | .1 | | | | | 5 | 5 | |
| 58/ 57 | | | .2 | .1 | .1 | | | | | | 6 | 6 | |
| 56/ 55 | | .1 | .1 | .9 | .2 | | | | | | 27 | 20 | |
| 54/ 53 | .1 | .5 | 1.5 | .6 | | .1 | | | | | 38 | 38 | 6 |
| 52/ 51 | .2 | 2.2 | 1.3 | .4 | .1 | | | | | | 60 | 60 | 33 |
| 50/ 49 | .4 | 2.9 | 1.1 | .6 | .1 | | | | | | 73 | 73 | 83 |
| 48/ 47 | 1.0 | 4.9 | 1.8 | .7 | .2 | | | | | | 123 | 123 | 85 |
| 46/ 45 | 1.1 | 5.5 | 2.1 | .8 | | | | | | | 136 | 136 | 116 |
| 44/ 43 | 1.3 | 4.0 | 2.8 | .8 | | | | | | | 126 | 126 | 125 |
| 42/ 41 | .8 | 4.6 | 2.7 | .6 | | | | | | | 123 | 123 | 119 |
| 40/ 39 | 1.7 | 6.8 | 3.7 | .1 | .1 | | | | | | 176 | 176 | 154 |
| 38/ 37 | 1.5 | 6.2 | 3.2 | .3 | | | | | | | 161 | 162 | 182 |
| 36/ 35 | 1.8 | 4.3 | .7 | .1 | | | | | | | 97 | 97 | 164 |
| 34/ 33 | 1.4 | 4.4 | .8 | | | | | | | | 94 | 93 | 106 |
| 32/ 31 | 1.1 | 4.1 | .6 | | | | | | | | 83 | 83 | 96 |
| 30/ 29 | .8 | 2.7 | .4 | | | | | | | | 55 | 55 | 81 |
| 28/ 27 | .5 | 1.5 | .3 | | | | | | | | 32 | 32 | 44 |
| 26/ 25 | .1 | .6 | .1 | | | | | | | | 12 | 12 | 24 |
| 24/ 23 | .1 | .1 | | | | | | | | | 4 | 4 | 8 |
| 22/ 21 | | | | | | | | | | | | | 2 |
| 20/ 19 | | | | | | | | | | | | | 18 |
| 18/ 17 | | | | | | | | | | | | | 3 |
| 16/ 15 | | | | | | | | | | | | | 3 |
| TOTAL | 13.955 | 723.3 | 5.8 | 1.1 | .1 | .1 | | | | | 1424 | 1426 | 1424 |
| | | | | | | | | | | | 1424 | 1424 | 1424 |

| Element (X) | Z _x | Z _y | X | Y | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|----------------|----------------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 10218803 | 120285 | 84.5 | 10.549 | 1424 | ≤ 0 F | ≤ 32 F | > 67 F | > 73 F | > 80 F | > 93 F | |
| Dir. Bulb | 2449958 | 38870 | 40.9 | 6.929 | 1424 | | 11.7 | | | | | 90 |
| Wet Bulb | 2214139 | 83975 | 38.9 | 6.335 | 1424 | | 16.1 | | | | | 90 |
| Dew Point | 1955805 | 51772 | 36.4 | 7.160 | 1424 | | 27.6 | | | | | 90 |

USAFETAC 0 26 5 (JUL 64)

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| WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 64/ 63 | | | | | | | .1 | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 62/ 61 | | | .3 | | | | .1 | | | | | | | | | | | | | | | | | | | | 7 | 7 |
| 60/ 59 | | | .5 | | | | .7 | | | | | | | | | | | | | | | | | | | | 27 | 27 |
| 58/ 57 | | .4 | 1.3 | | .5 | | .6 | .2 | | | | | | | | | | | | | | | | | | | 50 | 50 |
| 56/ 55 | | .5 | 2.2 | 1.2 | 1.0 | | .2 | | | | | | | | | | | | | | | | | | | | 75 | 76 |
| 54/ 53 | | 1.6 | 4.6 | 2.0 | .7 | | .4 | | | | | | | | | | | | | | | | | | | | 137 | 140 |
| 52/ 51 | | 1.0 | 4.8 | 2.1 | .8 | | .2 | | | | | | | | | | | | | | | | | | | | 130 | 134 |
| 50/ 49 | | .9 | 5.5 | 2.9 | 1.2 | | .1 | | | | | | | | | | | | | | | | | | | | 155 | 155 |
| 48/ 47 | | .7 | 6.9 | 2.3 | .6 | | | | | | | | | | | | | | | | | | | | | | 154 | 159 |
| 46/ 45 | | 1.3 | 7.5 | 2.0 | .5 | | | | | | | | | | | | | | | | | | | | | | 165 | 165 |
| 44/ 43 | | 1.6 | 7.1 | 1.0 | .2 | | | | | | | | | | | | | | | | | | | | | | 145 | 145 |
| 42/ 41 | | 2.1 | 5.0 | 1.6 | .2 | | | | | | | | | | | | | | | | | | | | | | 130 | 131 |
| 40/ 39 | | 2.9 | 4.3 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | 121 | 121 |
| 38/ 37 | | .8 | 4.4 | .3 | | | | | | | | | | | | | | | | | | | | | | | 82 | 82 |
| 36/ 35 | | 1.2 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | 41 | 41 |
| 34/ 33 | | .7 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 |
| 32/ 31 | | .5 | .6 | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 |
| 30/ 29 | | .4 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 |
| 28/ 27 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | 16.6 | 57.9 | 17.2 | 6.6 | 1.4 | .1 | | | | | | | | | | | | | | | | | | | | 1467 | 1477 |

| Element (X) | Σx^2 | Σx | \bar{x} | σ^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|
| Rel Hum. | 11282367 | 127851 | 87.2 | 9.772 | 1467 | ≤ 0 F | + 32 F | + 67 F | + 73 F | + 80 F | + 93 F |
| Dir Bulb | 3286072 | 68662 | 46.8 | 6.520 | 1467 | | 1.9 | | | | |
| Wet Bulb | 2969970 | 65402 | 44.6 | 6.081 | 1467 | | 2.1 | | | | |
| Dew Point | 2736136 | 62636 | 42.7 | 6.386 | 1467 | | 5.0 | | | | |

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DATA PROCESSING BRANCH
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PSYCHROMETRIC SUMMARY

34056 SENBACH AB GERMANY

54-72

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| WET BULB TEMPERATURE DEPRESSION ° | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|-----------------------------------|--|-------|-------|-----|-----|----|----|--|--|--|--|--|--|--|--|-------|------|-------|------|------|
| 70/ 69 | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 68/ 67 | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 66/ 65 | | | | | | | | | | | | | | | | | 7 | 7 | | |
| 64/ 63 | | | | | | | | | | | | | | | | | 13 | 13 | | |
| 62/ 61 | | | | | | | | | | | | | | | | | 27 | 27 | 5 | 2 |
| 60/ 59 | | | | | | | | | | | | | | | | | 33 | 33 | 22 | 2 |
| 58/ 57 | | | | | | | | | | | | | | | | | 74 | 74 | 42 | 27 |
| 56/ 55 | | | | | | | | | | | | | | | | | 131 | 134 | 66 | 44 |
| 54/ 53 | | | | | | | | | | | | | | | | | 146 | 149 | 126 | 79 |
| 52/ 51 | | | | | | | | | | | | | | | | | 183 | 186 | 137 | 102 |
| 50/ 49 | | | | | | | | | | | | | | | | | 220 | 220 | 182 | 165 |
| 48/ 47 | | | | | | | | | | | | | | | | | 161 | 162 | 213 | 139 |
| 46/ 45 | | | | | | | | | | | | | | | | | 159 | 159 | 203 | 193 |
| 44/ 43 | | | | | | | | | | | | | | | | | 129 | 130 | 183 | 200 |
| 42/ 41 | | | | | | | | | | | | | | | | | 144 | 144 | 149 | 199 |
| 40/ 39 | | | | | | | | | | | | | | | | | 65 | 66 | 122 | 149 |
| 38/ 37 | | | | | | | | | | | | | | | | | 44 | 44 | 78 | 109 |
| 36/ 35 | | | | | | | | | | | | | | | | | 28 | 28 | 42 | 88 |
| 34/ 33 | | | | | | | | | | | | | | | | | 15 | 15 | 24 | 60 |
| 32/ 31 | | | | | | | | | | | | | | | | | 8 | 8 | 10 | 32 |
| 30/ 29 | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 14 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | 3 | 7 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 3 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | 9.453 | 125.9 | 8.7 | 2.2 | .5 | .2 | | | | | | | | | | 1615 | 1627 | 1615 | 1615 |

| Element X1 | Zx | Zx | I | °a | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|------------|----------|--------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 11702186 | 126490 | 86.5 | 10.167 | 1615 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Dry Bulb | 9919827 | 79168 | 48.8 | 6.844 | 1627 | | .8 | .1 | | | | 93 |
| Wet Bulb | 3313282 | 74701 | 46.2 | 5.994 | 1615 | | 1.1 | | | | | 93 |
| Dew Point | 9191121 | 71027 | 44.0 | 6.224 | 1615 | | 3.2 | | | | | 93 |

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| | | WET BULB TEMPERATURE DEPRESSION, F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | DB-WB D.F. | Wet-Bulb Dep F | | |
| TOTAL | | .7 | 8.1 | 12.7 | 19.0 | 17.6 | 15.6 | 13.2 | 6.1 | 5.4 | 1.5 | .1 | .1 | | | | | | | | | | | | | | | 1635 | 1635 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1635 | 1635 | | |
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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

54-68,71

MAY

PAGE 1 2100-2300

| | | WET BULB TEMPERATURE DEPRESSION °F | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------|--|------------------------------------|------|------|------|---|-----|-----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|-------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 72/ 71 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 30 | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | | | | | | 55 | 55 | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | | | | | | 75 | 75 | 13 | 3 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | | | | | | 99 | 99 | 40 | 15 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | | | | | | 95 | 95 | 62 | 32 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | | | | | | 130 | 130 | 127 | 97 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | | | | | 137 | 138 | 107 | 101 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | | | | | 155 | 158 | 118 | 82 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | | | | | 179 | 179 | 170 | 115 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | | | 137 | 137 | 218 | 132 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | | | 134 | 134 | 178 | 185 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | | 74 | 74 | 136 | 153 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 30 | 100 | 150 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 60 | 147 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 30 | 84 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 15 | 74 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 9 | 30 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 28 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | | 4.328 | 9.29 | 21.9 | 31.0 | 7 | 5.9 | 1.5 | .1 | | | | | | | | | | | | | | | | | 1395 | 1399 | 1395 | 1395 |

| Element X | Z _x | Z _y | X̄ | Ȳ | No. Obs. | Mean No. of Hours with Temperature | | | | | Total |
|-----------|----------------|----------------|------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|
| Re. Hum. | 8802992 | 105930 | 75.9 | 3.635 | 1395 | < 0 F | < 32 F | < 67 F | < 73 F | < 80 F | < 93 F |
| Dry Bulb | 8892525 | 73205 | 52.3 | 6.657 | 1395 | | | 1.4 | | | |
| Wet Bulb | 8297652 | 67346 | 48.3 | 5.770 | 1395 | | | .1 | | | |
| Dew Point | 8827900 | 62130 | 44.5 | 6.603 | 1395 | | | 3.7 | | | |

DATA PROCESSING BRANCH
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PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

54-68,71

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| | | WET BULB TEMPERATURE DEPRESSION, F | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL |
|--------|-----|------------------------------------|------|------|----|-----|-----|----|---|---|----|----|----|----|----|----|----|----|----|----|----|----------|-------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | DR W B D | W B D |
| 72/ 71 | | | | | | .1 | .1 | | | | | | | .3 | | | | | | | | 7 | 7 |
| 70/ 69 | | | | | | .2 | .1 | | | | | | | .1 | | | | | | | | 6 | 6 |
| 68/ 67 | | | | | .4 | .1 | .4 | | | | | | | .1 | | | | | | | | 13 | 13 |
| 66/ 65 | | | .4 | .7 | .8 | .7 | .1 | | | | | | | | | | | | | | | 37 | 37 |
| 64/ 63 | | .4 | 1.4 | 1.7 | .6 | .5 | .5 | | | | | | | | | | | | | | | 64 | 64 |
| 62/ 61 | .2 | 2.2 | 2.7 | 1.0 | .7 | .8 | .1 | | | | | | | | | | | | | | | 105 | 105 |
| 60/ 59 | .4 | 3.0 | 3.9 | 2.3 | .3 | .4 | | | | | | | | | | | | | | | | 138 | 138 |
| 58/ 57 | 1.3 | 5.3 | 4.3 | 1.8 | .6 | .2 | | | | | | | | | | | | | | | | 181 | 181 |
| 56/ 55 | 1.3 | 6.2 | 3.2 | 1.7 | .4 | .1 | | | | | | | | | | | | | | | | 174 | 174 |
| 54/ 53 | .5 | 5.9 | 3.5 | .8 | .3 | | | | | | | | | | | | | | | | | 149 | 149 |
| 52/ 51 | 1.1 | 6.1 | 3.0 | 1.2 | .1 | | | | | | | | | | | | | | | | | 155 | 155 |
| 50/ 49 | .9 | 6.2 | 3.1 | 1.0 | .1 | | | | | | | | | | | | | | | | | 152 | 152 |
| 48/ 47 | 1.1 | 3.8 | 1.6 | .4 | | | | | | | | | | | | | | | | | | 93 | 93 |
| 46/ 45 | .6 | 2.2 | .3 | .3 | | | | | | | | | | | | | | | | | | 46 | 46 |
| 44/ 43 | .2 | .7 | .1 | .1 | | | | | | | | | | | | | | | | | | 14 | 15 |
| 42/ 41 | .1 | .2 | .4 | .1 | | | | | | | | | | | | | | | | | | 11 | 11 |
| 40/ 39 | .1 | | .1 | | | | | | | | | | | | | | | | | | | 2 | 2 |
| 38/ 37 | | .1 | | | | | | | | | | | | | | | | | | | | 2 | 2 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | 7.943 | 6.29 | 1.12 | .4 | 4.2 | 2.4 | .5 | | | | | | | | | | | | | | 1349 | 1349 |

| Element | X | X ² | X | X | No. Obs. | Mean No. of Hours with Temperature | | | | | Total |
|-----------|---------|----------------|------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|
| Rel Hum. | 9570298 | 112604 | 83.5 | 1.203 | 1349 | < 0 F | < 32 F | < 67 F | < 73 F | < 80 F | < 93 F |
| Dry Bulb | 4128668 | 74263 | 55.0 | 3.663 | 1349 | | | 1.7 | | | 90 |
| Wet Bulb | 3703968 | 70346 | 52.1 | 3.143 | 1349 | | | .1 | | | 90 |
| Dew Point | 3399453 | 67271 | 49.9 | 3.767 | 1349 | | .3 | | | | 90 |

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DATA PROCESSING BRANCH
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050

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| | | WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------|--|---------------------------------|-------|-----|-----|-----|----|----|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|-------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 68/ 67 | | | | | | .1 | .1 | .1 | | | | | | | | | | | | | | | | | | 3 | 3 | | |
| 66/ 65 | | | .1 | .2 | | .1 | .4 | .1 | | | | | | | | | | | | | | | | | | 12 | 12 | | |
| 64/ 63 | | | .6 | .5 | | .4 | | .1 | | | | | | | | | | | | | | | | | | 22 | 22 | 1 | |
| 62/ 61 | | .4 | 2.4 | 1.0 | | .5 | .2 | | | | | | | | | | | | | | | | | | | 64 | 64 | 30 | 16 |
| 60/ 59 | | .4 | 4.0 | 2.2 | | .8 | .4 | .1 | | | | | | | | | | | | | | | | | | 111 | 111 | 54 | 30 |
| 58/ 57 | | 1.8 | 5.7 | 2.0 | | 1.1 | .5 | | | | | | | | | | | | | | | | | | | 157 | 157 | 117 | 85 |
| 56/ 55 | | 1.6 | 7.1 | 3.1 | | .8 | .1 | | | | | | | | | | | | | | | | | | | 182 | 183 | 150 | 116 |
| 54/ 53 | | 1.3 | 7.6 | 2.6 | | .9 | .4 | | | | | | | | | | | | | | | | | | | 176 | 178 | 183 | 142 |
| 52/ 51 | | 1.3 | 7.9 | 2.1 | | .2 | .1 | | | | | | | | | | | | | | | | | | | 164 | 165 | 192 | 194 |
| 50/ 49 | | 1.6 | 8.5 | 2.3 | | .6 | | | | | | | | | | | | | | | | | | | | 185 | 186 | 191 | 185 |
| 48/ 47 | | 1.9 | 5.5 | 1.8 | | .1 | | | | | | | | | | | | | | | | | | | | 133 | 134 | 178 | 181 |
| 46/ 45 | | 1.1 | 5.0 | 1.3 | | .2 | | | | | | | | | | | | | | | | | | | | 108 | 109 | 135 | 165 |
| 44/ 43 | | .6 | 2.5 | .6 | | | | | | | | | | | | | | | | | | | | | | 51 | 51 | 91 | 108 |
| 42/ 41 | | .3 | 1.3 | .2 | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 52 | 65 |
| 40/ 39 | | | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 20 | 69 |
| 38/ 37 | | .3 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 8 | 32 |
| 36/ 35 | | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 7 | 13 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | | 12.859 | 0.020 | .2 | 5.5 | 2.1 | .4 | .1 | | | | | | | | | | | | | | | | | | 1413 | 1420 | 1413 | 1413 |

| Element | X | Σ X | Σ X ² | Σ X ³ | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-----------|----------|--------|------------------|------------------|----------|------------------------------------|--------|--------|--------|--------|--------|----|
| Rel. Hum. | 10989302 | 129918 | 87.7 | 9.291 | 1413 | ± 0 F | ± 32 F | ± 67 F | ± 73 F | ± 80 F | ± 93 F | |
| Dry Bulb | 3971143 | 74682 | 52.6 | 5.524 | 1420 | | | .2 | | | | 90 |
| Wet Bulb | 3655958 | 71486 | 50.6 | 5.280 | 1413 | | | | | | | 90 |
| Dew Point | 3426356 | 69110 | 48.9 | 5.719 | 1413 | | | .5 | | | | 90 |

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440

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| | | NET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|-------|----|-------------------------------------|-------|------|-----|-----|----|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|-------|------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 1 | 2 | 1 | 2 | |
| 74/ | 73 | | | | | | | .1 | | | | | | | | | | | | | | | | | | 1 | 1 | | | |
| 72/ | 71 | | | | | | | .1 | | | | | | | | | | | | | | | | | | 5 | 5 | | | |
| 70/ | 69 | | | | | | | .1 | | | | | | | | | | | | | | | | | | 6 | 6 | | | |
| 68/ | 67 | | | .1 | | .4 | | .5 | | .5 | | .2 | | | | | | | | | | | | | | 26 | 26 | 1 | | |
| 66/ | 65 | | | .2 | | 1.5 | | .8 | | .6 | | .2 | | | | | | | | | | | | | | 53 | 53 | 4 | 1 | |
| 64/ | 63 | .1 | | 1.0 | | 1.4 | | 1.5 | | .7 | | .3 | | .1 | | | | | | | | | | | | 80 | 80 | 15 | 6 | |
| 62/ | 61 | .5 | | 2.6 | | 2.4 | | 1.5 | | .6 | | .3 | | | | | | | | | | | | | | 123 | 123 | 70 | 28 | |
| 60/ | 59 | .6 | | 3.1 | | 3.5 | | 2.1 | | .8 | | .1 | | | | | | | | | | | | | | 159 | 159 | 108 | 74 | |
| 58/ | 57 | 1.0 | | 5.2 | | 2.6 | | 1.8 | | .6 | | | | | | | | | | | | | | | | 174 | 176 | 157 | 97 | |
| 56/ | 55 | .6 | | 7.1 | | 3.3 | | 1.3 | | .4 | | | | | | | | | | | | | | | | 200 | 206 | 197 | 142 | |
| 54/ | 53 | 1.0 | | 6.9 | | 4.0 | | 1.3 | | .3 | | | | | | | | | | | | | | | | 208 | 210 | 209 | 196 | |
| 52/ | 51 | .8 | | 6.5 | | 3.9 | | .6 | | .3 | | .1 | | | | | | | | | | | | | | 188 | 189 | 227 | 206 | |
| 50/ | 49 | .8 | | 6.0 | | 2.2 | | .8 | | .3 | | | | | | | | | | | | | | | | 158 | 160 | 197 | 214 | |
| 48/ | 47 | .3 | | 3.9 | | 1.2 | | .2 | | | | | | | | | | | | | | | | | | 86 | 86 | 154 | 181 | |
| 46/ | 45 | .4 | | 2.2 | | .8 | | .1 | | | | | | | | | | | | | | | | | | 54 | 56 | 116 | 164 | |
| 44/ | 43 | .1 | | 1.1 | | .3 | | .1 | | | | | | | | | | | | | | | | | | 23 | 23 | 58 | 100 | |
| 42/ | 41 | .1 | | .2 | | .1 | | .1 | | | | | | | | | | | | | | | | | | 7 | 7 | 29 | 65 | |
| 40/ | 39 | .1 | | .1 | | .1 | | | | | | | | | | | | | | | | | | | | 5 | 5 | 7 | 42 | |
| 38/ | 37 | | | .1 | | .1 | | | | | | | | | | | | | | | | | | | | 2 | 2 | 5 | 19 | |
| 36/ | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 34/ | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | |
| 32/ | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| 30/ | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| TOTAL | | 6.446 | 127.8 | 12.9 | 5.2 | 1.5 | .1 | | | | | | | | | | | | | | | | | | | | 1558 | 1573 | 1558 | 1558 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 1958 | | 1958 | |

| Element (X) | ΣX | ΣX^2 | \bar{X} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|------------|--------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 11015404 | 129872 | 82.510 | 627 | 1958 | < 0 F | < 32 F | < 67 F | < 73 F | < 80 F | < 93 F | |
| Dry Bulb | 4844916 | 86832 | 55.2 | 3.732 | 1873 | | | 2.2 | .1 | | | 90 |
| Wet Bulb | 4313887 | 81373 | 52.4 | 3.207 | 1958 | | | | .1 | | | 90 |
| Dew Point | 3958848 | 78033 | 50.1 | 3.697 | 1958 | | | .3 | | | | |

| Element (X) | $\Sigma x'$ | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|-------------|------------|-----------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 11015404 | 129872 | 83.5 | 10.627 | 1558 | ≤ 0 F | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 4844918 | 86832 | 55.2 | 5.732 | 1573 | | | 2.2 | .1 | | | 90 |
| Wet Bulb | 4313387 | 81573 | 52.4 | 5.207 | 1558 | | | .1 | | | | 90 |
| Dew Point | 3958848 | 78032 | 50.1 | 5.697 | 1558 | | .3 | | | | | 90 |

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| | | WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | |
|--------|--|---------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 86/ 85 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 84/ 83 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 82/ 81 | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | |
| 80/ 79 | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | |
| 78/ 77 | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | |
| 76/ 75 | | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 35 | |
| 74/ 73 | | | | | | | | | | | | | | | | | | | | | | | | | | 44 | 44 | |
| 72/ 71 | | | | | | | | | | | | | | | | | | | | | | | | | | 75 | 75 | |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | | | | | | | 112 | 112 | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | | | | | | 116 | 116 | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | | | | | | 151 | 151 | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | | | | | | 152 | 152 | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | | | | | | 143 | 143 | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | | | | | | 169 | 169 | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | | | | | | 145 | 145 | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | | | | | | 153 | 153 | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | | | | | 103 | 103 | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | | | | | 74 | 74 | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | | | | | 42 | 42 | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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DATA PROCESSING BRANCH
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| | | WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | | | | | | |
|-----------|---------|---------------------------------|------------|------|-----|------|------|------|------|------|----|----|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 90/ 89 | | | | | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | | | | | | | | | | | |
| 80/ 79 | | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | | | | | | | | | | | | | | |
| 76/ 75 | | | | | | | | | | | | | | | | | |
| 74/ 73 | | | | | | | | | | | | | | | | | |
| 72/ 71 | | | | | | | | | | | | | | | | | |
| 70/ 69 | | | | | | | | | | | | | | | | | |
| 68/ 67 | | | | | | | | | | | | | | | | | |
| 66/ 65 | | | | | | | | | | | | | | | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | |
| Element X | Zx | Zx | Zx | Zx | Zx | Zx | Zx | Zx | Zx | Zx | Zx | Zx | Zx | Zx | Zx | Zx | Zx |
| Rel. Hum. | 5725162 | 91134 | 58,216,322 | 1565 | 0 F | 32 F | 57 F | 73 F | 80 F | 93 F | | | | | | | |
| Dry Bulb | 7040248 | 104276 | 66.3 8,210 | 1568 | | | 64.3 | 22.4 | 5.7 | | | | | | | | 90 |
| Wet Bulb | 5159990 | 89562 | 57.1 5,319 | 1568 | | | 2.5 | | | | | | | | | | 90 |
| Dew Point | 4026257 | 78821 | 50.2 6,392 | 1568 | | | .7 | | | | | | | | | | 90 |

FORM 0765 (Rev. 6-64)

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JUN

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| WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | TOTAL | | TOTAL | |
|---------------------------------|-------|------|------|------|---|-----|-----|----|----|-------|------|-------|------|
| DB/ WB | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 80/ 79 | | | | | | | | | | | 1 | 1 | |
| 78/ 77 | | | | | | | | | | | 2 | 2 | |
| 76/ 75 | | | | | | | | | | | 5 | 5 | |
| 74/ 73 | | | | | | | | | | | 9 | 9 | |
| 72/ 71 | | | | | | | | | | | 33 | 33 | |
| 70/ 69 | | | | | | | | | | | 33 | 33 | |
| 68/ 67 | | | | | | | | | | | 71 | 71 | 2 |
| 66/ 65 | | | | | | | | | | | 94 | 94 | 19 |
| 64/ 63 | | | | | | | | | | | 112 | 112 | 54 |
| 62/ 61 | | | | | | | | | | | 135 | 135 | 80 |
| 60/ 59 | | | | | | | | | | | 188 | 188 | 116 |
| 58/ 57 | | | | | | | | | | | 165 | 165 | 207 |
| 56/ 55 | | | | | | | | | | | 143 | 143 | 191 |
| 54/ 53 | | | | | | | | | | | 125 | 125 | 163 |
| 52/ 51 | | | | | | | | | | | 113 | 113 | 179 |
| 50/ 49 | | | | | | | | | | | 70 | 70 | 152 |
| 48/ 47 | | | | | | | | | | | 35 | 35 | 101 |
| 46/ 45 | | | | | | | | | | | 14 | 14 | 58 |
| 44/ 43 | | | | | | | | | | | 2 | 2 | 18 |
| 42/ 41 | | | | | | | | | | | | | 4 |
| 40/ 39 | | | | | | | | | | | | | 6 |
| 38/ 37 | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | |
| TOTAL | 3.325 | 9.26 | 32.1 | 81.2 | 2 | 7.5 | 2.2 | .4 | .2 | | 1350 | 1350 | 1350 |

| Element | X | Σ X | Σ X ² | Σ X ³ | No. Obs. | Mean No. of Hours with Temperature | | | | | Σ |
|-----------|---------|--------|------------------|------------------|----------|------------------------------------|------|------|------|------|----|
| Rel Hum | 8069878 | 102790 | 76.213 | 272 | 1349 | 0 F | 32 F | 47 F | 73 F | 80 F | Σ |
| Dry Bulb | 4705532 | 79260 | 58.7 | 6.172 | 1350 | | 10.2 | 1.1 | | | 90 |
| Wet Bulb | 4004948 | 73210 | 54.2 | 5.079 | 1350 | | | .1 | | | 90 |
| Dew Point | 3532196 | 68600 | 50.8 | 5.820 | 1350 | | .2 | | | | 90 |

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[illegible]

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...

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| From | To | Σx | Σx^2 | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature |
|----------|--------|------------|--------------|-----------|-------|----------|------------------------------------|
| 12303185 | 129037 | 87.4 | 9.557 | 1590 | | | |
| 4951737 | 88282 | 55.5 | 5.605 | 1590 | | | |
| 4565280 | 84834 | 53.4 | 5.140 | 1590 | | 3.0 | .1 |
| 429784 | 82210 | 51.7 | 5.452 | 1590 | | .2 | |

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| WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | TOTAL | | TOTAL | |
|---------------------------------|--------|---------|-----------------|-----|----|----|----|----|--|-------|------|-------|------|
| | | | | | | | | | | | | | |
| 78/ 77 | | | | .1 | | | | | | 1 | 1 | | |
| 76/ 75 | | | | .1 | .1 | | | .1 | | 4 | 4 | | |
| 74/ 73 | | | | .1 | .1 | .1 | | | | 6 | 6 | | |
| 72/ 71 | | | .2 | .4 | .6 | .4 | .1 | | | 27 | 27 | 1 | |
| 70/ 69 | | .2 | .5 | .5 | .4 | .2 | | | | 30 | 30 | 2 | |
| 68/ 67 | | .1 | 1.6 | .6 | .8 | .4 | | | | 61 | 61 | 9 | 5 |
| 66/ 65 | | 1.1 | 1.7 | 1.2 | .6 | | | | | 79 | 79 | 30 | 7 |
| 64/ 63 | .2 | 2.1 | 3.1 | 1.5 | .7 | .2 | | | | 130 | 131 | 78 | 30 |
| 62/ 61 | .8 | 3.8 | 2.7 | 1.7 | .7 | .1 | | | | 167 | 167 | 119 | 100 |
| 60/ 59 | 1.1 | 4.2 | 3.5 | 1.8 | .5 | | | | | 189 | 189 | 177 | 120 |
| 58/ 57 | 1.4 | 6.3 | 3.8 | 1.9 | .2 | .1 | | | | 232 | 235 | 207 | 152 |
| 56/ 55 | 2.6 | 8.4 | 3.1 | 1.2 | .1 | .1 | | | | 261 | 261 | 253 | 238 |
| 54/ 53 | 1.6 | 5.5 | 2.9 | .9 | | | | | | 187 | 187 | 282 | 251 |
| 52/ 51 | 1.1 | 5.0 | 1.9 | .8 | | | | | | 150 | 150 | 191 | 227 |
| 50/ 49 | .6 | 3.2 | 1.4 | .2 | | | | | | 93 | 93 | 155 | 207 |
| 48/ 47 | .4 | 1.8 | .6 | .1 | | | | | | 49 | 50 | 104 | 137 |
| 46/ 45 | .4 | .9 | .2 | | | | | | | 26 | 29 | 58 | 101 |
| 44/ 43 | .1 | .3 | .1 | | | | | | | 8 | 8 | 29 | 67 |
| 42/ 41 | | .2 | | | | | | | | 3 | 3 | 7 | 43 |
| 40/ 39 | | | | | | | | | | | | 1 | 14 |
| 38/ 37 | | | | | | | | | | | | | 3 |
| 36/ 35 | | | | | | | | | | | | | 1 |
| TOTAL | 10.143 | 127.412 | 9 4.9 1.5 .2 .1 | | | | | | | 1703 | 1712 | 1703 | 1703 |

| Element | X | Z _x | Z _y | X̄ | Ȳ | No. Obs. | Mean No. of Hours with Temperature | | | | | Total |
|-----------|----------|----------------|----------------|------|----|----------|------------------------------------|--------|--------|--------|--------|--------|
| Rel. Hum. | 12346224 | 143884 | 84.510.547 | 1703 | | | + 0 F | + 32 F | + 67 F | + 73 F | + 80 F | + 93 F |
| Dry Bulb | 5728902 | 98226 | 57.6 5.858 | 1712 | | | | | 7.0 | .6 | | |
| Wet Bulb | 5153625 | 93277 | 54.8 5.122 | 1703 | | | | | .7 | | | |
| Dew Point | 4785217 | 89799 | 52.7 5.427 | 1703 | | | | | .3 | | | |

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| NET BULB TEMPERATURE DEPRESSION | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | |
|---------------------------------|-------|------|------|------|------|---|-----|-----|-----|----|----|----|--|--|-------|--|-------|------|------|------|
| 90/ 89 | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 88/ 87 | | | | | | | | | | | | | | | | | 3 | 3 | | |
| 86/ 85 | | | | | | | | | | | | | | | | | 4 | 6 | | |
| 84/ 83 | | | | | | | | | | | | | | | | | 10 | 10 | | |
| 82/ 81 | | | | | | | | | | | | | | | | | 21 | 21 | | |
| 80/ 79 | | | | | | | | | | | | | | | | | 32 | 32 | | |
| 78/ 77 | | | | | | | | | | | | | | | | | 44 | 44 | | |
| 76/ 75 | | | | | | | | | | | | | | | | | 67 | 67 | | |
| 74/ 73 | | | | | | | | | | | | | | | | | 81 | 92 | | 1 |
| 72/ 71 | | | | | | | | | | | | | | | | | 84 | 84 | 11 | 1 |
| 70/ 69 | | | | | | | | | | | | | | | | | 125 | 125 | 32 | 1 |
| 68/ 67 | | | | | | | | | | | | | | | | | 141 | 141 | 63 | 11 |
| 66/ 65 | | | | | | | | | | | | | | | | | 153 | 153 | 88 | 29 |
| 64/ 63 | | | | | | | | | | | | | | | | | 176 | 176 | 177 | 64 |
| 62/ 61 | | | | | | | | | | | | | | | | | 180 | 180 | 191 | 112 |
| 60/ 59 | | | | | | | | | | | | | | | | | 218 | 218 | 209 | 141 |
| 58/ 57 | | | | | | | | | | | | | | | | | 150 | 150 | 229 | 165 |
| 56/ 55 | | | | | | | | | | | | | | | | | 111 | 111 | 246 | 247 |
| 54/ 53 | | | | | | | | | | | | | | | | | 72 | 72 | 196 | 218 |
| 52/ 51 | | | | | | | | | | | | | | | | | 32 | 32 | 131 | 209 |
| 50/ 49 | | | | | | | | | | | | | | | | | 11 | 11 | 86 | 163 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | 40 | 138 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | 18 | 103 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 55 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 29 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 18 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 13 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 2.311 | 2.19 | 2.21 | 1.17 | 9.14 | 0 | 7.3 | 3.3 | 1.8 | .8 | .2 | .2 | | | | | 1718 | 1719 | 1718 | 1718 |

| Element (X) | $\Sigma x'$ | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|-------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 8595905 | 119021 | 69.216 | 283 | 1718 | + 0 F | + 32 F | + 67 F | + 73 F | + 80 F | + 93 F | |
| Dry Bulb | 7224759 | 110731 | 64.4 | 7.319 | 1719 | | | 33.3 | 14.4 | 2.7 | | 93 |
| Wet Bulb | 5816177 | 99339 | 57.9 | 5.342 | 1718 | | | 3.8 | .1 | | | 93 |
| Dew Point | 4978619 | 91919 | 53.5 | 5.942 | 1718 | | | .7 | | | | 93 |

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| | | WET BULB TEMPERATURE DEPRESSION, F | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------|--|------------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|-------|------|-------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 96/ 95 | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 94/ 93 | | | | | | | | | | | | | | | | | | 2 | 1 | 4 | 8 |
| 92/ 91 | | | | | | | | | | | | | | | | | | 1 | 1 | 8 | 4 |
| 90/ 89 | | | | | | | | | | | | | | | | | | 1 | 1 | 13 | 13 |
| 88/ 87 | | | | | | | | | | | | | | | | | | 1 | 1 | 16 | 16 |
| 86/ 85 | | | | | | | | | | | | | | | | | | 1 | 1 | 26 | 26 |
| 84/ 83 | | | | | | | | | | | | | | | | | | 1 | 1 | 43 | 43 |
| 82/ 81 | | | | | | | | | | | | | | | | | | 1 | 1 | 65 | 65 |
| 80/ 79 | | | | | | | | | | | | | | | | | | 1 | 1 | 56 | 56 |
| 78/ 77 | | | | | | | | | | | | | | | | | | 1 | 1 | 77 | 77 |
| 76/ 75 | | | | | | | | | | | | | | | | | | 1 | 1 | 113 | 113 |
| 74/ 73 | | | | | | | | | | | | | | | | | | 1 | 1 | 105 | 105 |
| 72/ 71 | | | | | | | | | | | | | | | | | | 1 | 1 | 102 | 102 |
| 70/ 69 | | | | | | | | | | | | | | | | | | 1 | 1 | 134 | 134 |
| 68/ 67 | | | | | | | | | | | | | | | | | | 1 | 1 | 164 | 164 |
| 66/ 65 | | | | | | | | | | | | | | | | | | 1 | 1 | 171 | 171 |
| 64/ 63 | | | | | | | | | | | | | | | | | | 1 | 1 | 155 | 155 |
| 62/ 61 | | | | | | | | | | | | | | | | | | 1 | 1 | 147 | 147 |
| 60/ 59 | | | | | | | | | | | | | | | | | | 1 | 1 | 138 | 138 |
| 58/ 57 | | | | | | | | | | | | | | | | | | 1 | 1 | 88 | 88 |
| 56/ 55 | | | | | | | | | | | | | | | | | | 1 | 1 | 53 | 53 |
| 54/ 53 | | | | | | | | | | | | | | | | | | 1 | 1 | 25 | 25 |
| 52/ 51 | | | | | | | | | | | | | | | | | | 1 | 1 | 9 | 9 |
| 50/ 49 | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| TOTAL | | | | | | | | | | | | | | | | | | 1713 | 1713 | 1713 | 1713 |

| Element | X | Z | X | Z | No. Obs. | Mean No. of Hours with Temperature | | | | | Total |
|-----------|---------|--------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|
| Rel. Hum. | 6567776 | 102492 | 59.8 | 15.949 | 1713 | < 0 F | < 32 F | > 67 F | > 73 F | > 80 F | > 93 F |
| Dry Bulb | 8157564 | 117398 | 68.5 | 9.375 | 1713 | | | 30.2 | 28.6 | 10.7 | 3 |
| Wet Bulb | 6061260 | 101468 | 59.2 | 5.452 | 1713 | | | 9.4 | 4 | | |
| Dew Point | 4873872 | 90719 | 53.0 | 6.370 | 1713 | | | 1.0 | | | |

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| WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | | | | TOTAL | |
|---------------------------------|---------|--------|------|--------|----------|------------------------------------|--------|--------|--------|--------|-------|-----|-------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 96/ 95 | | | | | | | | | | | | | 1 | 1 |
| 94/ 93 | | | | | | | | | | | | | 3 | 3 |
| 92/ 91 | | | | | | | | | | | | | 2 | 2 |
| 90/ 89 | | | | | | | | | | | | | 8 | 8 |
| 88/ 87 | | | | | | | | | | | | | 4 | 4 |
| 86/ 85 | | | | | | | | | | | | | 19 | 19 |
| 84/ 83 | | | | | | | | | | | | | 27 | 27 |
| 82/ 81 | | | | | | | | | | | | | 32 | 32 |
| 80/ 79 | | | | | | | | | | | | | 61 | 61 |
| 78/ 77 | | | | | | | | | | | | | 59 | 59 |
| 76/ 75 | | | | | | | | | | | | | 87 | 87 |
| 74/ 73 | | | | | | | | | | | | | 91 | 91 |
| 72/ 71 | | | | | | | | | | | | | 93 | 93 |
| 70/ 69 | | | | | | | | | | | | | 108 | 108 |
| 68/ 67 | | | | | | | | | | | | | 145 | 145 |
| 66/ 65 | | | | | | | | | | | | | 143 | 143 |
| 64/ 63 | | | | | | | | | | | | | 147 | 147 |
| 62/ 61 | | | | | | | | | | | | | 146 | 146 |
| 60/ 59 | | | | | | | | | | | | | 132 | 132 |
| 58/ 57 | | | | | | | | | | | | | 112 | 112 |
| 56/ 55 | | | | | | | | | | | | | 66 | 66 |
| 54/ 53 | | | | | | | | | | | | | 25 | 25 |
| 52/ 51 | | | | | | | | | | | | | 16 | 16 |
| 50/ 49 | | | | | | | | | | | | | 4 | 4 |
| 48/ 47 | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | |
| TOTAL | 1.211 | .415 | .214 | .615 | .115 | .310 | .9 | 7.3 | 4.6 | 3.1 | 1.7 | 1.0 | .4 | .1 |
| | | | | | | | | | | | | | 1533 | 1533 |
| | | | | | | | | | | | | | 1533 | 1533 |
| Element X1 | Zx' | Zx | X | % | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | | | |
| Rel. Hum. | 6710019 | 97948 | 62.9 | 17.181 | 1533 | < 67 F | < 72 F | < 77 F | < 80 F | < 83 F | | | | |
| Dry Bulb | 7010823 | 102917 | 67.1 | 6.142 | 1533 | | | 42.0 | 24.0 | 7.8 | 93 | | | |
| Wet Bulb | 5367611 | 90847 | 58.9 | 2.300 | 1533 | | | 8.2 | 2.2 | | 93 | | | |
| Dew Point | 4433019 | 81867 | 53.4 | 6.313 | 1533 | | | 1.6 | .1 | | 93 | | | |

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| | | WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL |
|--------|--|---------------------------------|-------|------|------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 86/ 85 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 |
| 84/ 83 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 |
| 82/ 81 | | | | | | | | | | | | | | | | | | | | | | 5 | 5 |
| 80/ 79 | | | | | | | | | | | | | | | | | | | | | | 2 | 2 |
| 78/ 77 | | | | | | | | | | | | | | | | | | | | | | 11 | 11 |
| 76/ 75 | | | | | | | | | | | | | | | | | | | | | | 33 | 33 |
| 74/ 73 | | | | | | | | | | | | | | | | | | | | | | 36 | 36 |
| 72/ 71 | | | | | | | | | | | | | | | | | | | | | | 59 | 59 |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | | | 82 | 82 |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | | 77 | 77 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | | 127 | 127 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | | 143 | 143 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | | 173 | 173 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | | 206 | 206 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | | 206 | 206 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | | 161 | 161 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | 123 | 123 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | 52 | 52 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | 24 | 24 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | 10 | 10 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | 4.825 | 5.523 | 0.21 | 0.13 | 2.2 | 6.6 | 3.7 | 1.4 | .7 | | | | | | | | | | | | 1533 | 1533 |

| Element | X | Σ X | Σ X ² | Σ X ³ | No. Obs. | Mean No. of Hours with Temperature | | | | | Total |
|-----------|---------|--------|------------------|------------------|----------|------------------------------------|--------|--------|--------|--------|--------|
| Rel. Hum. | 9254233 | 117159 | 74.4 | 14.003 | 1533 | ± 0 F | ± 32 F | ± 67 F | ± 73 F | ± 80 F | ± 93 F |
| Dry Bulb | 5812597 | 98881 | 61.2 | 6.429 | 1533 | | | 18.8 | 5.4 | .3 | |
| Wet Bulb | 4944470 | 86722 | 56.6 | 3.019 | 1533 | | | 2.4 | | | |
| Dew Point | 4399392 | 81666 | 53.3 | 5.660 | 1533 | | | .5 | | | |

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| WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | TOTAL | | TOTAL | |
|---------------------------------|--------|-------|-----|-----|----|----|----|----|--|-------|------|-------|------|
| 76/ 75 | | | | | | | | | | 2 | 2 | | |
| 74/ 73 | | | | | | | | | | 2 | 2 | | |
| 72/ 71 | | | | | | | | | | 4 | 4 | | |
| 70/ 69 | | .1 | .3 | .4 | .1 | .1 | | | | 16 | 16 | | |
| 68/ 67 | | .3 | .8 | .9 | .3 | .1 | | | | 36 | 36 | 4 | |
| 66/ 65 | .2 | 1.3 | 1.7 | 1.0 | .7 | .1 | .1 | | | 79 | 79 | 20 | 12 |
| 64/ 63 | .1 | 1.4 | 3.0 | 1.2 | .3 | .1 | | | | 97 | 97 | 48 | 22 |
| 62/ 61 | .6 | 4.1 | 2.8 | 1.4 | .8 | .1 | | | | 160 | 160 | 76 | 56 |
| 60/ 59 | 1.1 | 3.9 | 3.2 | 1.3 | .3 | .1 | | | | 186 | 186 | 182 | 108 |
| 58/ 57 | 2.0 | 7.0 | 3.1 | 1.3 | | | | | | 209 | 209 | 206 | 185 |
| 56/ 55 | 1.8 | 8.2 | 3.2 | .8 | | | | | | 220 | 220 | 243 | 175 |
| 54/ 53 | 1.8 | 6.6 | 2.3 | .6 | | | | | | 176 | 176 | 229 | 266 |
| 52/ 51 | 2.1 | 8.2 | 2.4 | .4 | | | | | | 207 | 207 | 194 | 205 |
| 50/ 49 | 1.0 | 3.8 | 1.1 | .1 | | | | | | 94 | 94 | 189 | 201 |
| 48/ 47 | .5 | 2.2 | .2 | | | | | | | 46 | 46 | 101 | 161 |
| 46/ 45 | .6 | .9 | .2 | | | | | | | 26 | 27 | 52 | 94 |
| 44/ 43 | .3 | .2 | .1 | | | | | | | 8 | 8 | 18 | 62 |
| 42/ 41 | .1 | .1 | | | | | | | | 3 | 3 | 6 | 12 |
| 40/ 39 | | | | | | | | | | | | 1 | 8 |
| 38/ 37 | | | | | | | | | | | | | 4 |
| TOTAL | 12.150 | 324.3 | 9.8 | 2.6 | .6 | .1 | .1 | .1 | | 1371 | 1372 | 1371 | 1371 |

| Element | X ₁ | X ₂ | X ₃ | X ₄ | No. Obs | Mean No. of Hours with Temperature | | | | | Total |
|-----------|----------------|----------------|----------------|----------------|---------|------------------------------------|------|------|------|------|-------|
| Rel. Hum | 11967042 | 136271 | 86.7 | 9.656 | 1571 | 0 F | 32 F | 67 F | 73 F | 80 F | |
| Dry Bulb | 5110387 | 89221 | 56.8 | 3.442 | 1572 | | | 3.2 | .2 | | 93 |
| Wet Bulb | 4684373 | 89451 | 54.4 | 4.819 | 1571 | | | .2 | | | 93 |
| Dew Point | 4399801 | 82755 | 52.7 | 3.052 | 1571 | | | | | | 93 |

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| | | WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | TOTAL | | TOTAL | |
|-------|----|---------------------------------|-------|-----|-----|----|----|----|---|---|----|-------|------|-------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | |
| 72/ | 71 | | | | | | | | | | | 1 | 1 | | |
| 70/ | 69 | | | | | | | | | | | 2 | 2 | | |
| 68/ | 67 | | | | | | | | | | | 11 | 11 | | |
| 66/ | 65 | | | | | | | | | | | 28 | 28 | 4 | 1 |
| 64/ | 63 | | | | | | | | | | | 73 | 73 | 24 | 10 |
| 62/ | 61 | | | | | | | | | | | 130 | 130 | 73 | 46 |
| 60/ | 59 | | | | | | | | | | | 201 | 201 | 122 | 88 |
| 58/ | 57 | | | | | | | | | | | 213 | 213 | 227 | 183 |
| 56/ | 55 | | | | | | | | | | | 197 | 197 | 213 | 179 |
| 54/ | 53 | | | | | | | | | | | 199 | 199 | 221 | 243 |
| 52/ | 51 | | | | | | | | | | | 237 | 237 | 232 | 224 |
| 50/ | 49 | | | | | | | | | | | 132 | 132 | 202 | 211 |
| 48/ | 47 | | | | | | | | | | | 109 | 109 | 146 | 164 |
| 46/ | 45 | | | | | | | | | | | 32 | 34 | 90 | 139 |
| 44/ | 43 | | | | | | | | | | | 31 | 31 | 49 | 79 |
| 42/ | 41 | | | | | | | | | | | 14 | 14 | 21 | 43 |
| 40/ | 39 | | | | | | | | | | | 3 | 3 | 4 | 12 |
| 38/ | 37 | | | | | | | | | | | | | 1 | 7 |
| TOTAL | | 17.657 | 518.4 | 5.1 | 1.2 | .1 | .1 | .1 | | | | 1629 | 1631 | 1629 | 1629 |

USAFETAC FORM 026.5 (CL A) JUL 64 REUSE PREVIOUS EDITIONS FOR THE NEW ART. 1-17

| Element (X) | Σx | Σx^2 | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|------------|--------------|-----------|-------|----------|------------------------------------|------|------|------|------|------|-------|
| Rel. Hum. | 13182933 | 145899 | 89.6 | 8.430 | 1629 | 0 F | 32 F | 67 F | 73 F | 80 F | 93 F | |
| Dry Bulb | 4952405 | 89451 | 54.8 | 5.343 | 1631 | | | | | | | 93 |
| Wet Bulb | 4624771 | 86423 | 53.1 | 4.944 | 1629 | | | | | | | 93 |
| Dew Point | 4401449 | 84265 | 51.7 | 5.114 | 1629 | | | | | | | 93 |

DATA PROCESSING SECTION
USAF ETAC
AIR EATER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SENBACH AB GERMANY

53-72

AUG

PAGE 1 1200-1400

| WET BULB TEMPERATURE | | | | | | | | | | | | | | |
|----------------------|----|------|------|------|------|----|-----|-----|-----|-----|----|----|--|--|
| 90/ 89 | | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | | | | | | | | |
| 80/ 79 | | | | | | | | | | | | | | |
| 78/ 77 | | | | | | | | | | | | | | |
| 76/ 75 | | | | | | | | | | | | | | |
| 74/ 73 | | | | | | | | | | | | | | |
| 72/ 71 | | | | | | | | | | | | | | |
| 70/ 69 | | | | | | | | | | | | | | |
| 68/ 67 | | | | | | | | | | | | | | |
| 66/ 65 | | | | | | | | | | | | | | |
| 64/ 63 | | | | | | | | | | | | | | |
| 62/ 61 | | | | | | | | | | | | | | |
| 60/ 59 | | | | | | | | | | | | | | |
| 58/ 57 | | | | | | | | | | | | | | |
| 56/ 55 | | | | | | | | | | | | | | |
| 54/ 53 | | | | | | | | | | | | | | |
| 52/ 51 | | | | | | | | | | | | | | |
| 50/ 49 | | | | | | | | | | | | | | |
| 48/ 47 | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | |
| TOTAL | .8 | 8.21 | .314 | .018 | .113 | .6 | 8.1 | 3.0 | 2.1 | 1.0 | .3 | .4 | | |

| Ex. Hrs. | Zx | Zx | X | Qs | No. Obs. | Mean Number Hours with Temperature | | | |
|-----------|---------|--------|------|--------|----------|------------------------------------|------|-----|----|
| Ex. Hrs. | 7286637 | 110047 | 62.7 | 14.909 | 1756 | 42.2 | 22.2 | 7.3 | 93 |
| Dry Bulb | 8046552 | 118138 | 67.2 | 7.496 | 1756 | 6.7 | 1.7 | .1 | 93 |
| Wet Bulb | 6147886 | 103528 | 59.0 | 5.019 | 1756 | 1.0 | .2 | | 53 |
| Dew Point | 5046609 | 93593 | 53.2 | 3.759 | 1756 | | | | |

USAFETAC

PSYCHROMETRIC SUMMARY

466

PAGE 1 100-170

| Factor | ΣX | ΣX^2 | $\Sigma X \cdot O$ | No. Obs. | M | M^2 | ΣO^2 | $\Sigma (O-M)^2$ | $\Sigma (O-M)^2 / n$ | $\Sigma (O-M)^2 / (n-1)$ | $\Sigma (O-M)^2 / (n-2)$ |
|----------|------------|--------------|--------------------|----------|------|-------|--------------|------------------|----------------------|--------------------------|--------------------------|
| Factor 1 | 6738454 | 105044 | 60.015.859 | 1752 | | | | | | | |
| Factor 2 | 8313958 | 119947 | 68.4 7.803 | 1752 | 51.4 | 26.5 | 10.1 | | | 93 | |
| Factor 3 | 6190732 | 103782 | 59.2 4.960 | 1752 | 7.3 | .4 | | | | 63 | |
| Factor 4 | 4981036 | 92854 | 53.0 3.548 | 1752 | .7 | .2 | | | | 93 | |

AD-A087 621

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
SENBACH AB, GERMANY, REVISED UNIFORM SUMMARY OF SURFACE WEATHER--ETC (1)
SEP 74

UNCLASSIFIED USAFETAC/DS-80/061

NL

END
DATE
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9-80
DTIC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34036 SEMBACH AB GERMANY

53-71

446

PAGE 1 1800-2000

| Temp
F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | |
|-----------|-------------------------------------|------|------|------|------|------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|-------|-------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | DB | WB | Total |
| 88/ 87 | | | | | | | | | | | | | | | | | | | .1 | | | | .1 | | | | | | | | | | 2 | 2 | |
| 86/ 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | |
| 84/ 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | |
| 82/ 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | |
| 80/ 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | |
| 78/ 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | 36 | 1 |
| 76/ 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 55 | 55 | 1 |
| 74/ 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 73 | 73 | 2 |
| 72/ 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 89 | 89 | 8 |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 118 | 118 | 18 |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 129 | 129 | 45 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 172 | 172 | 96 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 188 | 188 | 144 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 177 | 177 | 184 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 159 | 159 | 216 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 131 | 131 | 231 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 91 | 91 | 236 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 49 | 49 | 191 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 137 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 40 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 2.0 | 14.3 | 17.0 | 17.5 | 16.6 | 15.3 | 7.9 | 4.8 | 2.3 | .9 | .8 | .3 | .1 | | | | | | | | | | | | | | | | | | | | 1577 | 1577 | 1577 |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|
| Rel. Hum. | 7809601 | 108248 | 68.415 | 5.27 | 1577 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |
| Dry Bulb | 6733440 | 102482 | 64.9 | 7.187 | 1577 | | | 24.3 | 14.6 | 3.9 | |
| Wet Bulb | 3383716 | 91810 | 58.2 | 4.986 | 1577 | | | 4.7 | 2.8 | | |
| Dew Point | 4583112 | 64236 | 52.4 | 3.709 | 1577 | | | 1.1 | .1 | | |

34056 SENBACH AB GERMANY

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AUG

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[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

22-08-71

SEP

PAGE 1 0000-0200

| Temp
(F) | | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------------|-----|-------------------------------------|------|------|-----|-----|----|----|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|-----------|----------|----------|-----------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 72/ 71 | | | | | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | | |
| 70/ 69 | | | | | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | | |
| 68/ 67 | | | | | .1 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | | |
| 66/ 65 | | | | .1 | .8 | .8 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 1 | | |
| 64/ 63 | | | .6 | 1.3 | .5 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | 40 | 6 | 2 | |
| 62/ 61 | .3 | 1.8 | 1.7 | .7 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 68 | 68 | 36 | 12 | |
| 60/ 59 | 1.0 | 3.2 | 2.2 | 1.2 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 144 | 144 | 91 | 49 | |
| 58/ 57 | 2.2 | 5.0 | 2.9 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 182 | 182 | 151 | 127 | |
| 56/ 55 | 1.7 | 5.7 | 1.6 | 1.2 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 153 | 153 | 153 | 144 | |
| 54/ 53 | 1.6 | 7.0 | 3.1 | .7 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 187 | 187 | 153 | 139 | |
| 52/ 51 | 2.6 | 6.7 | 1.7 | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 178 | 178 | 191 | 178 | |
| 50/ 49 | 2.3 | 7.1 | 1.6 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 171 | 171 | 210 | 176 | |
| 48/ 47 | 2.4 | 4.8 | .6 | .3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 121 | 121 | 150 | 199 | |
| 46/ 45 | 1.6 | 4.2 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 93 | 93 | 128 | 133 | |
| 44/ 43 | 1.2 | 2.3 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 54 | 54 | 89 | 108 | |
| 42/ 41 | .7 | 1.2 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | 44 | 71 | |
| 40/ 39 | .3 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 31 | 50 | |
| 38/ 37 | .2 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 10 | 28 | |
| 36/ 35 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 6 | 24 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| TOTAL | | 18.4 | 52.1 | 18.0 | 8.3 | 2.8 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | 1483 | 1453 | 1483 | 1453 | |

| Element (X) | Σ X ² | Σ X | X̄ | σ _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|------------------|--------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 11382946 | 127724 | 87.9 | 10.172 | 1483 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Dry Bulb | 4153673 | 77208 | 52.1 | 8.982 | 1483 | | | .8 | | | | 90 |
| Wet Bulb | 3839876 | 74260 | 51.1 | 8.842 | 1483 | | | | | | | 90 |
| Dew Point | 3608130 | 71884 | 49.8 | 8.974 | 1483 | | .7 | | | | | 90 |

PSYCHROMETRIC SUMMARY

53-72

SEP

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| WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | |
|-------------------------------------|--|------|------|------|-----|---|----|-----|---|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|----|-------|-----------|----------|----------|-----------|
| Temp
F | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 68/ 67 | | | | | | | | .1 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | |
| 66/ 65 | | | | | | | | .2 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | |
| 64/ 63 | | | | | .3 | | | .1 | | | | .1 | | | | | | | | | | | | | | | | | | | | | 21 | 21 | | 1 | |
| 62/ 61 | | | | .1 | 1.7 | | | 1.1 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | 48 | 48 | | 20 |
| 60/ 59 | | | .1 | .5 | 3.9 | | | 2.1 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | 103 | 103 | | 32 |
| 58/ 57 | | | 2.3 | 3 | 5.0 | | | 1.9 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | 143 | 143 | | 102 |
| 56/ 55 | | | 1.7 | 6.7 | | | | 1.4 | | .3 | | .1 | | | | | | | | | | | | | | | | | | | | | | 153 | 153 | | 136 |
| 54/ 53 | | | 2.1 | 5.4 | | | | 2.0 | | .3 | | | | | | | | | | | | | | | | | | | | | | | | 148 | 148 | | 147 |
| 52/ 51 | | | 3.6 | 9.9 | | | | 1.1 | | .6 | | .1 | | | | | | | | | | | | | | | | | | | | | | 231 | 231 | | 179 |
| 50/ 49 | | | 2.7 | 6.9 | | | | 1.3 | | .5 | | | | | | | | | | | | | | | | | | | | | | | | 172 | 172 | | 188 |
| 48/ 47 | | | 3.6 | 4.7 | | | | 1.3 | | .4 | | | | | | | | | | | | | | | | | | | | | | | | 151 | 151 | | 198 |
| 46/ 45 | | | 1.9 | 4.2 | | | | 1.3 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | 113 | 113 | | 139 |
| 44/ 43 | | | 2.1 | 3.2 | | | | .3 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 84 | 84 | | 107 |
| 42/ 41 | | | 2.4 | 1.8 | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 66 | 66 | | 112 |
| 40/ 39 | | | .7 | 1.5 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 35 | 35 | | 75 |
| 38/ 37 | | | .6 | .5 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | | 46 |
| 36/ 35 | | | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | | 27 |
| 34/ 33 | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | 14 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | | 25.2 | 55.8 | 15.1 | 3.6 | | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1910 | 1912 | | 1910 |

| Element (X) | Σ X' | Σ X | Σ | Σ ₂ | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|----------|--------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 12816814 | 186928 | 90.7 | 8.128 | 1810 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 4026641 | 77587 | 51.2 | 8.068 | 1812 | | | 2 | | | | 90 |
| Wet Bulb | 3791364 | 78164 | 49.8 | 8.780 | 1810 | | | | | | | 90 |
| Dew Point | 3609794 | 73274 | 48.2 | 8.988 | 1810 | | 1 | | | | | |

USAFETAC
FORM
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

53-72

SEP

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| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|-------------|-------------------------------------|------|------|-----|----|----|---|---|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|--------|----------|----------|-----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | DB, WB | Dry Bulb | Wet Bulb | Dew Point |
| 68/ 67 | | | | | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | | |
| 66/ 65 | | | | | .1 | .2 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | 5 | 5 | | | |
| 64/ 63 | | | | .4 | .7 | .2 | | | .1 | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | 3 | | |
| 62/ 61 | .2 | 1.6 | .8 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 49 | 48 | 22 | 8 | |
| 60/ 59 | .3 | 4.7 | 2.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 124 | 124 | 62 | 35 | |
| 58/ 57 | 1.4 | 3.9 | 1.5 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 123 | 123 | 140 | 109 | |
| 56/ 55 | 2.8 | 6.5 | 1.6 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 184 | 184 | 143 | 134 | |
| 54/ 53 | 2.4 | 6.7 | 1.9 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 193 | 193 | 190 | 144 | |
| 52/ 51 | 3.2 | 8.3 | 1.6 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 226 | 226 | 212 | 193 | |
| 50/ 49 | 3.0 | 7.9 | 1.1 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 203 | 203 | 217 | 232 | |
| 48/ 47 | 2.2 | 4.7 | 1.2 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 139 | 139 | 187 | 186 | |
| 46/ 45 | 2.6 | 4.7 | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 134 | 134 | 187 | 180 | |
| 44/ 43 | 1.9 | 3.6 | .7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 104 | 105 | 122 | 130 | |
| 42/ 41 | 1.8 | 1.8 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 64 | 64 | 94 | 102 | |
| 40/ 39 | 1.3 | 1.0 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | 41 | 53 | 83 | |
| 38/ 37 | 1.2 | .7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 36 | 48 | 57 | |
| 36/ 35 | .4 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 16 | 16 | 32 | |
| 34/ 33 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 3 | 19 | |
| 32/ 31 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| TOTAL | 25.0 | 56.8 | 14.3 | 3.4 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1668 | 1677 | 1668 | 1668 | |

| Element (X) | Σ X' | Σ X | X̄ | s _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|----------|--------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 12823971 | 151262 | 90.7 | 7.974 | 1668 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Dry Bulb | 4436209 | 82809 | 51.0 | 6.272 | 1677 | | | .1 | .2 | | | 90 |
| Wet Bulb | 4169378 | 82816 | 49.6 | 6.277 | 1668 | | | .1 | | | | 90 |
| Dew Point | 3968854 | 80732 | 48.4 | 6.068 | 1668 | | | .2 | | | | |

0-26-5 (OL A)
BE-HOLD SEVERAL EDITIONS OF THIS FORM ARE AVAILABLE

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PSYCHROMETRIC SUMMARY

44-72

544

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| Temp
(F) | WET BULB DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|-------------|-------------------------|-------|--------|---|-----|-----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|---------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Po. |
| 82/ 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 80/ 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 78/ 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | | |
| 76/ 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 8 | | |
| 74/ 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | | |
| 72/ 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 24 | | |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 49 | 49 | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 64 | 64 | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 86 | 86 | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 148 | 148 | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 160 | 160 | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 187 | 187 | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 206 | 206 | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 218 | 218 | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 189 | 189 | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 140 | 140 | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 92 | 92 | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 47 | 47 | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 30 | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 5.429 | 4.284 | 16.710 | 6 | 5.5 | 2.0 | .8 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

0-26-5 (O A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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53-72

SEP

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| Temp
(F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | TOTAL | | |
|-------------|-------------------------------------|------|--------|------|--------|------|-------|-----|------|----|-------|----|--------|----|--------|----|--------|----|--------|----|--------|----|-------|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 88/ 87 | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | 2 | 2 | | | |
| 86/ 85 | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | 3 | 3 | | | |
| 84/ 83 | | | | | | | | | | | | | | | | | .2 | | | | | | | | | | | | | | | | 7 | 7 | | | |
| 82/ 81 | | | | | | | | | | | | | | | | | .2 | | | | | | | | | | | | | | | | 11 | 11 | | | |
| 80/ 79 | | | | | | | | | | | | | .1 | | .2 | | | | | | | | | | | | | | | | | | 18 | 18 | | | |
| 78/ 77 | | | | | | | | | | | | .2 | | .7 | | | | | | | | | | | | | | | | | | | 29 | 29 | | | |
| 76/ 75 | | | | | | | | | | | | .1 | .2 | | .8 | | | | | | | | | | | | | | | | | | 32 | 32 | | | |
| 74/ 73 | | | | | | | | | | | | | .1 | .4 | | .1 | | | | | | | | | | | | | | | | | 72 | 72 | | | |
| 72/ 71 | | | | .1 | | .2 | | | | | | | .1 | .4 | | .1 | | | | | | | | | | | | | | | | | 100 | 100 | | | |
| 70/ 69 | | | | | .1 | | 1.0 | | 1.5 | | 2.0 | | 1.0 | | .5 | | .4 | | | | | | | | | | | | | | | | 117 | 117 | | | |
| 68/ 67 | | | | | .1 | | 1.8 | | 2.1 | | 1.5 | | .8 | | 1.0 | | .1 | | | | | | | | | | | | | | | | 131 | 131 | 25 | 1 | |
| 66/ 65 | | .1 | .1 | | 1.7 | | 1.8 | | 2.5 | | 1.7 | | 1.5 | | .7 | | | | | | | | | | | | | | | | | | 165 | 165 | 54 | 6 | |
| 64/ 63 | | .1 | .1 | | 2.5 | | 1.5 | | 2.0 | | .8 | | .2 | | | | | | | | | | | | | | | | | | | | 168 | 168 | 117 | 13 | |
| 62/ 61 | | .2 | 1.0 | | 1.8 | | 3.1 | | 2.0 | | 1.1 | | .5 | | .2 | | | | | | | | | | | | | | | | | | 179 | 179 | 183 | 31 | |
| 60/ 59 | | .2 | 1.0 | | 1.7 | | 3.1 | | 2.3 | | 1.3 | | .3 | | | | | | | | | | | | | | | | | | | | 168 | 168 | 213 | 122 | |
| 58/ 57 | | | 1.0 | | 2.1 | | 3.3 | | 1.5 | | .5 | | .1 | | | | | | | | | | | | | | | | | | | | 154 | 154 | 167 | 154 | |
| 56/ 55 | | | 2.4 | | 2.7 | | 2.0 | | 1.2 | | .5 | | .1 | | | | | | | | | | | | | | | | | | | | 151 | 151 | 231 | 189 | |
| 54/ 53 | | .2 | 1.4 | | 1.5 | | 1.1 | | .8 | | .1 | | .1 | | | | | | | | | | | | | | | | | | | | 87 | 87 | 249 | 176 | |
| 52/ 51 | | .1 | 1.2 | | .8 | | .6 | | .3 | | | | | | | | | | | | | | | | | | | | | | | | 51 | 51 | 180 | 195 | |
| 50/ 49 | | .2 | .7 | | .2 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 124 | 189 | |
| 48/ 47 | | | .2 | | .3 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 60 | 192 | |
| 46/ 45 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 35 | 135 | |
| 44/ 43 | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 15 | 81 | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 62 | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 37 | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| TOTAL | 1.6 | 10.4 | 19.2 | 19.9 | 19.0 | 15.8 | 9.4 | 5.1 | 2.1 | .8 | .2 | .1 | .1 | | | | | | | | | | | | | | | | | | | | 1681 | 1681 | 1681 | 1681 | |
| Element (X) | Σ x' | | Σ x | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | |
| Rel. Hum. | 7713748 | | 111008 | | 66.018 | | 109 | | 1681 | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | | | | | | | |
| Dry Bulb | 8789894 | | 104150 | | 63.1 | | 7.177 | | 1681 | | | | | | 27.9 | | 9.3 | | 1.6 | | | | 90 | | | | | | | | | | | | | | |
| Wet Bulb | 8288774 | | 94228 | | 54.1 | | 5.261 | | 1681 | | | | | | 1.8 | | | | | | | | 80 | | | | | | | | | | | | | | |
| Dew Point | 4480149 | | 88828 | | 50.9 | | 4.338 | | 1681 | | | | .2 | | .1 | | | | | | | | 80 | | | | | | | | | | | | | | |

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CCT

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| | | WET BULB TEMPERATURE DEPRESSION F | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|--------|------|-----------------------------------|-----|-----|----|----|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|-------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| 60/ 59 | | | | .3 | .7 | | | | | | | | | | | | | | | | | | | | | 22 | 22 | | |
| 58/ 57 | | | 1.5 | .5 | | | | | | | | | | | | | | | | | | | | | | 30 | 30 | 9 | 2 |
| 56/ 55 | 1.1 | 3.6 | | .7 | | | | | | | | | | | | | | | | | | | | | | 82 | 82 | 72 | 34 |
| 54/ 53 | 1.9 | 4.8 | | | | | | | | | | | | | | | | | | | | | | | | 100 | 101 | 76 | 79 |
| 52/ 51 | 1.9 | 3.6 | | .9 | | | | | | | | | | | | | | | | | | | | | | 98 | 98 | 118 | 114 |
| 50/ 49 | 1.9 | 3.6 | | | | | | | | | | | | | | | | | | | | | | | | 138 | 138 | 115 | 103 |
| 48/ 47 | 3.0 | 5.4 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | 151 | 151 | 128 | 129 |
| 46/ 45 | 3.4 | 6.8 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | 176 | 176 | 164 | 137 |
| 44/ 43 | 3.4 | 5.4 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | 151 | 153 | 185 | 141 |
| 42/ 41 | 2.6 | 4.1 | .5 | | | | | | | | | | | | | | | | | | | | | | | 114 | 116 | 132 | 161 |
| 40/ 39 | 3.8 | 4.0 | | | | | | | | | | | | | | | | | | | | | | | | 120 | 120 | 141 | 144 |
| 38/ 37 | 3.6 | 3.4 | | | | | | | | | | | | | | | | | | | | | | | | 108 | 110 | 112 | 139 |
| 36/ 35 | 2.7 | 2.8 | | | | | | | | | | | | | | | | | | | | | | | | 89 | 89 | 93 | 107 |
| 34/ 33 | 2.6 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | 60 | 62 | 79 | 86 |
| 32/ 31 | 1.8 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | 48 | 48 | 54 | 70 |
| 30/ 29 | .3 | .3 | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 18 | 32 |
| 28/ 27 | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 11 | 21 |
| 26/ 25 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 8 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 22/ 21 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 33.8 | 54.6 | 9.7 | 1.6 | .3 | .1 | | | | | | | | | | | | | | | | | | | | 1910 | 1519 | 1510 | 1510 |

| Element (X) | Z _x | Z _y | X | Y | No. Obs. | Mean No. of Hours with Temperature | | | | | Total |
|-------------|----------------|----------------|------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|
| Rel. Hum | 12787698 | 138418 | 91.7 | 7.762 | 1509 | + 0 F | + 32 F | + 67 F | + 73 F | + 80 F | + 93 F |
| Dry Bulb | 2107400 | 67856 | 44.7 | 7.084 | 1519 | | 4.2 | | | | 93 |
| Wet Bulb | 2992286 | 65750 | 43.8 | 6.778 | 1510 | | 5.2 | | | | 93 |
| Dew Point | 2782172 | 69956 | 42.4 | 6.970 | 1510 | | 8.3 | | | | 93 |

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OCT

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| | | WET BULB TEMPERATURE DEPRESSION, F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | |
|-------|----|------------------------------------|------|-----|-----|----|----|---|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|----------|----------|----------|----------|------|-----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | DB, WB | Wet Bulb | Wet Bulb | Wet Bulb | Wet Bulb | | |
| 62/ | 61 | | | | .1 | | .1 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 5 | | 5 | | | |
| 60/ | 59 | | | | .4 | | .1 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 10 | | 10 | | | |
| 58/ | 57 | | .1 | 1.2 | .9 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | 40 | | 9 | 2 |
| 56/ | 55 | | 1.1 | 2.9 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 76 | | 76 | | 55 | 32 |
| 54/ | 53 | | 1.6 | 5.4 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 128 | | 131 | | 121 | 81 |
| 52/ | 51 | | 2.4 | 4.1 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 125 | | 125 | | 132 | 142 |
| 50/ | 49 | | 1.6 | 5.3 | 1.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 141 | | 141 | | 119 | 130 |
| 48/ | 47 | | 2.1 | 6.2 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 158 | | 158 | | 121 | 104 |
| 46/ | 45 | | 3.2 | 5.3 | 1.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 167 | | 167 | | 199 | 160 |
| 44/ | 43 | | 2.8 | 5.3 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 158 | | 158 | | 153 | 168 |
| 42/ | 41 | | 3.4 | 5.2 | .6 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 158 | | 160 | | 177 | 137 |
| 40/ | 39 | | 3.1 | 3.9 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 122 | | 124 | | 154 | 173 |
| 38/ | 37 | | 3.9 | 3.2 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 131 | | 135 | | 124 | 153 |
| 36/ | 35 | | 2.8 | 2.2 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 90 | | 95 | | 106 | 117 |
| 34/ | 33 | | 3.4 | 1.8 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 91 | | 93 | | 101 | 120 |
| 32/ | 31 | | 2.3 | .7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | | 32 | | 74 | 78 |
| 30/ | 29 | | .6 | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | | 32 | | 31 | 48 |
| 28/ | 27 | | .2 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | 8 | | 15 | 29 |
| 26/ | 25 | | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | 4 | | 5 | 14 |
| 24/ | 23 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | 1 | 7 |
| 22/ | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | | 34.7 | 54.7 | 9.1 | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1697 | | 1713 | | 1697 | |

| Element (X) | Σx^2 | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|----|
| Rel. Hum. | 14302771 | 182202 | 91.7 | 7.542 | 1696 | < 0 F | < 32 F | < 67 F | < 73 F | < 80 F | < 93 F | |
| Dry Bulb | 9447209 | 73855 | 44.2 | 7.331 | 1713 | | 8.3 | | | | | 93 |
| Wet Bulb | 3242816 | 72212 | 42.1 | 7.038 | 1697 | | 6.9 | | | | | 93 |
| Dew Point | 3073925 | 71192 | 42.0 | 7.252 | 1697 | | 9.8 | | | | | 93 |

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USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

23-07-69, 71-72

CCT

PAGE 1 2100-2300

| Temp | | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | | | | | | |
|-------|----|-------------------------------------|------|------|-----|-----|----|----|----|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|----|-------|----|----|----|--------|----------|----------|-----------|-----|-----|
| F | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | DB, WB | Dry Bulb | Wet Bulb | Dew Point | | |
| 60/ | 69 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | |
| 64/ | 69 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | | | | |
| 62/ | 61 | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 1 | | | |
| 60/ | 59 | | .1 | 1.0 | | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 41 | 41 | 7 | 1 | | |
| 58/ | 59 | | .1 | 2.0 | | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 52 | 52 | 27 | 17 | | |
| 56/ | 55 | | .6 | 4.0 | | 1.1 | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | 92 | 92 | 80 | 34 | | |
| 54/ | 55 | | 1.3 | 4.5 | | 2.0 | | | | | | | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | 119 | 119 | 107 | 97 | | |
| 52/ | 51 | | 1.3 | 3.3 | | 2.4 | | | | | | .1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | 138 | 138 | 123 | 102 | | |
| 50/ | 49 | | 2.1 | 7.1 | | 2.4 | | | | | | .1 | | .1 | | | | | | | | | | | | | | | | | | | | | | | 177 | 177 | 150 | 151 | |
| 48/ | 47 | | 1.3 | 7.0 | | 1.7 | | | | | | .1 | | .1 | | | | | | | | | | | | | | | | | | | | | | | 160 | 160 | 139 | 133 | |
| 46/ | 45 | | 1.9 | 7.1 | | 1.7 | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 160 | 160 | 150 | 152 | |
| 44/ | 43 | | 1.3 | 3.3 | | 1.9 | | | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 130 | 130 | 148 | 150 | |
| 42/ | 41 | | 1.8 | 4.4 | | .9 | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 103 | 103 | 142 | 138 | |
| 40/ | 39 | | 2.4 | 4.9 | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 111 | 111 | 132 | 134 |
| 38/ | 37 | | 1.4 | 2.6 | | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 69 | 69 | 94 | 127 | |
| 36/ | 35 | | .8 | .8 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 48 | 95 | |
| 34/ | 33 | | .8 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 29 | 45 | |
| 32/ | 31 | | .3 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 13 | 29 | |
| 30/ | 29 | | .1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 8 | 20 | |
| 28/ | 27 | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 7 | |
| 26/ | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3 | |
| 24/ | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 3 | |
| 18/ | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | |
| TOTAL | | 10.1 | 57.8 | 10.7 | 3.7 | 1.3 | .2 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1442 | 1442 | 1442 | | | |

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PSYCHROMETRIC SUMMARY

NOT

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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| | | WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------|----|---------------------------------|-------|-----|----|----|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------|-------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 60/ | 59 | | .2 | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | |
| 58/ | 57 | | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | | |
| 56/ | 55 | | .5 | .2 | .1 | .1 | | | | | | | | | | | | | | | | | | | | 15 | 15 | 9 | 2 |
| 54/ | 53 | .1 | .8 | .1 | .4 | .1 | | | | | | | | | | | | | | | | | | | | 21 | 21 | 8 | 11 |
| 52/ | 51 | .1 | 1.2 | .6 | .2 | | | | | | | | | | | | | | | | | | | | | 30 | 30 | 21 | 7 |
| 50/ | 49 | .4 | 1.4 | 1.0 | .4 | | | | | | | | | | | | | | | | | | | | | 43 | 43 | 29 | 24 |
| 48/ | 47 | .4 | 3.5 | 2.1 | .5 | | | | | | | | | | | | | | | | | | | | | 89 | 89 | 49 | 29 |
| 46/ | 45 | .5 | 6.8 | 2.2 | .1 | | | | | | | | | | | | | | | | | | | | | 130 | 130 | 89 | 48 |
| 44/ | 43 | 1.3 | 7.0 | 1.5 | .1 | | | | | | | | | | | | | | | | | | | | | 133 | 133 | 144 | 112 |
| 42/ | 41 | 1.7 | 7.5 | 1.4 | .4 | | | | | | | | | | | | | | | | | | | | | 148 | 148 | 168 | 115 |
| 40/ | 39 | 2.4 | 8.4 | 1.8 | .3 | | | | | | | | | | | | | | | | | | | | | 174 | 174 | 170 | 161 |
| 38/ | 37 | 1.5 | 7.5 | 1.1 | | | | | | | | | | | | | | | | | | | | | | 136 | 136 | 145 | 173 |
| 36/ | 35 | 2.7 | 5.0 | .7 | | | | | | | | | | | | | | | | | | | | | | 113 | 113 | 160 | 146 |
| 34/ | 33 | 1.9 | 5.6 | .9 | | | | | | | | | | | | | | | | | | | | | | 112 | 112 | 99 | 140 |
| 32/ | 31 | 1.1 | 6.1 | .1 | | | | | | | | | | | | | | | | | | | | | | 99 | 99 | 132 | 99 |
| 30/ | 29 | .5 | 2.8 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | 50 | 50 | 74 | 102 |
| 28/ | 27 | .1 | 1.3 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | 23 | 23 | 32 | 89 |
| 26/ | 25 | .4 | .7 | .1 | | | | | | | | | | | | | | | | | | | | | | 15 | 15 | 22 | 34 |
| 24/ | 23 | | .4 | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | 12 | 21 |
| 22/ | 21 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 6 | 17 |
| 20/ | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 18/ | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14/ | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/ | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/ | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/ | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | 19.366 | 814.6 | 2.9 | .3 | .1 | | | | | | | | | | | | | | | | | | | | 1350 | 1350 | 1350 | 1350 |

| Element (X) | $\Sigma x'$ | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|-------------|------------|-----------|-------|----------|------------------------------------|------|------|------|------|------|-------|
| Rel Hum | 10274401 | 117197 | 86.8 | 8.841 | 1350 | 0 F | 32 F | 67 F | 73 F | 80 F | 93 F | |
| Dry Bulb | 2205128 | 33822 | 39.9 | 6.692 | 1350 | | 12.1 | | | | | 90 |
| Wet Bulb | 2028279 | 31632 | 38.2 | 6.297 | 1350 | | 18.6 | | | | | 90 |
| Dew Point | 1625328 | 48780 | 36.1 | 6.820 | 1350 | | 28.5 | | | | | 90 |

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REV

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| | | WET BULB TEMPERATURE DEPRESSION °F | | | | | | | | | | | | TOTAL | | TOTAL | |
|-------|----|------------------------------------|-------|-----|----|----|---|---|---|---|----|----|----|-------|------|-------|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 58/ | 57 | | | .1 | | | | | | | | | | 1 | 1 | | |
| 56/ | 55 | | | .6 | | | | | | | | | | 17 | 17 | | |
| 54/ | 53 | .1 | .4 | .1 | | | | | | | | | | 11 | 11 | 11 | 5 |
| 52/ | 51 | .1 | .9 | .4 | | | | | | | | | | 19 | 19 | 10 | 9 |
| 50/ | 49 | .1 | 2.7 | 1.0 | .1 | | | | | | | | | 51 | 51 | 22 | 13 |
| 48/ | 47 | .8 | 2.1 | 1.1 | .2 | | | | | | | | | 58 | 58 | 58 | 35 |
| 46/ | 45 | 1.0 | 6.0 | 2.2 | .1 | | | | | | | | | 126 | 126 | 67 | 56 |
| 44/ | 43 | 1.7 | 6.3 | .8 | | | | | | | | | | 119 | 119 | 135 | 85 |
| 42/ | 41 | 1.9 | 5.9 | .8 | .3 | | | | | | | | | 119 | 119 | 139 | 100 |
| 40/ | 39 | 3.4 | 8.2 | .7 | | | | | | | | | | 166 | 166 | 150 | 158 |
| 38/ | 37 | 3.0 | 6.1 | 1.1 | | | | | | | | | | 137 | 137 | 159 | 167 |
| 36/ | 35 | 3.5 | 6.3 | .9 | | | | | | | | | | 144 | 144 | 138 | 163 |
| 34/ | 33 | 2.8 | 5.5 | 1.1 | | | | | | | | | | 127 | 127 | 132 | 164 |
| 32/ | 31 | 2.2 | 6.3 | | | | | | | | | | | 115 | 115 | 137 | 133 |
| 30/ | 29 | 1.4 | 3.8 | .1 | | | | | | | | | | 71 | 71 | 93 | 109 |
| 28/ | 27 | .5 | 1.6 | .1 | | | | | | | | | | 31 | 31 | 46 | 97 |
| 26/ | 25 | .4 | 1.3 | | .1 | | | | | | | | | 24 | 24 | 24 | 47 |
| 24/ | 23 | | .3 | .1 | | | | | | | | | | 6 | 6 | 13 | 27 |
| 22/ | 21 | .1 | | | | | | | | | | | | 1 | 1 | 4 | 13 |
| 20/ | 19 | .2 | | | | | | | | | | | | 3 | 3 | 6 | 10 |
| 18/ | 17 | .2 | | | | | | | | | | | | 3 | 3 | 3 | 9 |
| 16/ | 15 | | | | | | | | | | | | | | | | 1 |
| 14/ | 13 | | | | | | | | | | | | | | | | 1 |
| 12/ | 11 | | | | | | | | | | | | | | | | 1 |
| 8/ | 7 | | | | | | | | | | | | | | | | 2 |
| 6/ | 5 | | | | | | | | | | | | | | | | 1 |
| 4/ | 3 | | | | | | | | | | | | | | | | 1 |
| TOTAL | | 23.464 | 211.0 | 1.0 | .4 | .1 | | | | | | | | 1349 | 1349 | 1349 | 1349 |

| Element | X | Σ X | Σ X² | Σ X³ | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-----------|----------|--------|------|-------|----------|------------------------------------|------|------|------|------|------|-------|
| Rel. Hum. | 10713186 | 119882 | 88.7 | 8.600 | 1349 | 10 F | 32 F | 67 F | 73 F | 80 F | 93 F | |
| Dry Bulb | 2077029 | 22169 | 38.7 | 6.443 | 1349 | | 16.9 | | | | | 90 |
| Wet Bulb | 1936847 | 20992 | 37.4 | 6.321 | 1349 | | 21.9 | | | | | 90 |
| Dew Point | 1765018 | 47916 | 35.2 | 6.860 | 1349 | | 30.2 | | | | | 90 |

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53-07,72

DEC

PAGE 1 0000-0200

| WET BULB TEMPERATURE DEPRESSION | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | DB-WB | DB-WB | DB-WB | DB-WB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56/ 55 | | .1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | </ |

PSYCHROMETRIC SUMMARY

26C

PAGE 1 C300-C500

[illegible]

34056 SEMBACH AB GERMANY

53-72

DEC

PSYCHROMETRIC SUMMARY

PAGE 1 0600-C850

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PSYCHROMETRIC SUMMARY

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34056 SEMBACH AB GERMANY

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PSYCHROMETRIC SUMMARY

PAGE 1 1200-1400

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34056 SEMBACH AB GERMANY

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PSYCHROMETRIC SUMMARY

PAGE 1 1500-1700

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34056 SEMBACH AB GERMANY

53-72

| TIME | MEAN | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|---------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|
| 00-02 | MEAN
S.D.
TOTAL OBS | 30.0
9.169
1395 | 31.5
10.427
1272 | 36.7
8.007
1395 | 43.0
7.064
1330 | 48.8
6.460
1401 | 55.0
5.663
1350 | 57.8
5.830
1329 | 56.8
5.442
1372 | 53.1
5.982
1453 | 46.0
6.667
1423 | 38.1
6.806
1349 | 33.5
8.666
1395 | 44.3
12.197
16884 |
| 03-05 | MEAN
S.D.
TOTAL OBS | 29.5
9.385
1467 | 30.7
10.678
1335 | 35.1
7.941
1477 | 40.9
6.933
1426 | 46.5
6.520
1477 | 52.6
5.324
1420 | 55.3
5.605
1590 | 54.8
5.243
1631 | 51.2
6.063
1512 | 44.7
7.084
1519 | 37.6
6.964
1443 | 33.0
8.889
1490 | 43.0
11.748
17787 |
| 06-08 | MEAN
S.D.
TOTAL OBS | 29.4
9.384
1630 | 30.2
10.468
1466 | 34.4
8.111
1633 | 41.2
6.937
1588 | 48.6
6.544
1627 | 53.2
5.732
1573 | 57.6
5.858
1712 | 55.8
5.331
1762 | 51.0
6.273
1677 | 44.2
7.331
1715 | 37.3
7.030
1623 | 32.6
8.743
1682 | 43.4
12.417
19892 |
| 09-11 | MEAN
S.D.
TOTAL OBS | 30.2
9.198
1640 | 31.9
10.117
1460 | 38.8
8.861
1637 | 47.5
7.897
1583 | 53.6
7.321
1637 | 61.8
7.101
1578 | 64.4
7.315
1719 | 62.6
6.802
1736 | 58.0
6.475
1682 | 48.7
6.976
1718 | 39.2
7.022
1634 | 33.3
8.669
1686 | 47.9
14.477
19730 |
| 12-14 | MEAN
S.D.
TOTAL OBS | 33.0
8.383
1650 | 36.2
9.667
1468 | 43.7
8.930
1630 | 52.0
8.732
1581 | 59.6
8.292
1633 | 65.4
8.015
1567 | 68.3
8.373
1713 | 67.3
7.446
1736 | 63.1
7.177
1681 | 54.0
7.174
1720 | 42.4
7.400
1619 | 33.7
8.294
1687 | 52.0
13.033
19707 |
| 15-17 | MEAN
S.D.
TOTAL OBS | 33.4
8.114
1634 | 37.2
9.472
1463 | 45.1
9.120
1643 | 53.3
9.042
1583 | 60.9
8.397
1630 | 66.3
8.210
1568 | 69.8
8.384
1708 | 68.4
7.803
1733 | 64.1
7.633
1677 | 54.4
7.339
1713 | 42.3
7.181
1622 | 33.7
8.085
1681 | 52.8
13.332
19879 |
| 18-20 | MEAN
S.D.
TOTAL OBS | 31.3
8.504
1395 | 34.6
9.401
1273 | 42.2
8.446
1399 | 50.3
8.480
1351 | 58.0
7.987
1400 | 64.4
7.684
1359 | 67.1
8.148
1333 | 64.9
7.187
1377 | 59.9
7.076
1446 | 50.2
6.898
1448 | 39.9
6.633
1350 | 34.7
8.278
1393 | 50.3
14.782
18928 |
| 21-23 | MEAN
S.D.
TOTAL OBS | 30.4
9.038
1395 | 32.6
9.711
1270 | 38.9
7.860
1395 | 46.0
7.293
1350 | 52.3
6.637
1399 | 58.7
6.172
1350 | 61.2
6.429
1333 | 59.4
5.673
1370 | 53.4
6.080
1448 | 47.4
6.603
1442 | 38.7
6.648
1349 | 33.8
8.473
1393 | 46.6
12.983
16896 |
| ALL HOURS | MEAN
S.D.
TOTAL OBS | 31.0
9.019
12204 | 33.1
10.308
11009 | 39.4
9.304
12211 | 46.9
9.103
11814 | 52.9
8.993
12206 | 60.1
8.493
11768 | 62.8
8.793
13037 | 61.4
8.171
13377 | 57.1
8.223
12876 | 48.8
7.939
12700 | 39.3
7.333
11991 | 34.1
8.362
12411 | 47.6
14.202
147303 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

NET-BULD TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34056 SEMBACH AB GERMANY

53-72

| TIME | MEAN | ST. DEV. | TOTAL OBS. | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|------|----------|------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 00-02 | 28.9 | 8.775 | 1395 | 30.1 | 29.21 | 7.517 | 6.460 | 5.877 | 5.143 | 5.028 | 4.819 | 5.542 | 6.317 | 6.495 | 8.291 | 11.451 |
| | | | | 1270 | 1389 | 1389 | 1320 | 1397 | 1349 | 1329 | 1371 | 1432 | 1421 | 1349 | 1389 | 16862 |
| 03-05 | 28.5 | 8.968 | 1401 | 29.4 | 10.183 | 7.624 | 6.535 | 6.081 | 5.280 | 5.140 | 4.944 | 5.730 | 6.778 | 6.630 | 8.314 | 11.382 |
| | | | | 1332 | 1332 | 1470 | 1424 | 1407 | 1412 | 1390 | 1429 | 1310 | 1310 | 1432 | 1472 | 17710 |
| 06-08 | 28.4 | 9.047 | 1612 | 29.1 | 10.055 | 7.789 | 6.538 | 5.984 | 5.207 | 5.122 | 4.974 | 5.877 | 7.038 | 6.648 | 8.350 | 11.740 |
| | | | | 1457 | 1457 | 1621 | 1582 | 1613 | 1558 | 1708 | 1758 | 1668 | 1697 | 1596 | 1642 | 19509 |
| 09-11 | 29.1 | 8.862 | 1628 | 30.4 | 9.609 | 7.775 | 6.448 | 5.892 | 5.433 | 5.342 | 4.766 | 5.203 | 6.330 | 6.495 | 8.243 | 12.421 |
| | | | | 1481 | 1481 | 1634 | 1582 | 1636 | 1577 | 1718 | 1755 | 1680 | 1707 | 1608 | 1634 | 19630 |
| 12-14 | 31.4 | 8.002 | 1647 | 33.5 | 8.842 | 7.492 | 6.471 | 6.049 | 5.468 | 5.452 | 5.019 | 5.281 | 6.007 | 6.467 | 7.778 | 12.016 |
| | | | | 1462 | 1462 | 1620 | 1581 | 1635 | 1567 | 1712 | 1756 | 1681 | 1717 | 1611 | 1668 | 19672 |
| 15-17 | 31.6 | 7.734 | 1622 | 34.1 | 8.570 | 7.392 | 6.391 | 5.884 | 5.319 | 5.384 | 4.960 | 5.332 | 6.063 | 6.389 | 7.639 | 11.967 |
| | | | | 1462 | 1462 | 1645 | 1585 | 1627 | 1568 | 1708 | 1752 | 1677 | 1711 | 1616 | 1666 | 19647 |
| 18-20 | 30.1 | 8.188 | 1298 | 32.4 | 8.868 | 7.379 | 6.480 | 5.771 | 5.132 | 5.300 | 4.956 | 5.467 | 6.118 | 6.297 | 7.944 | 12.128 |
| | | | | 1275 | 1275 | 1399 | 1221 | 1297 | 1259 | 1233 | 1277 | 1446 | 1447 | 1350 | 1293 | 16922 |
| 21-23 | 29.3 | 8.684 | 1292 | 30.9 | 9.207 | 7.310 | 6.320 | 5.770 | 5.079 | 5.019 | 4.774 | 5.441 | 6.230 | 6.351 | 8.104 | 11.728 |
| | | | | 1270 | 1270 | 1394 | 1220 | 1298 | 1250 | 1233 | 1270 | 1446 | 1442 | 1349 | 1292 | 16886 |
| ALL HOURS | 29.7 | 8.608 | 12168 | 31.3 | 9.588 | 7.907 | 6.947 | 6.495 | 5.748 | 5.690 | 5.407 | 6.084 | 6.788 | 6.609 | 8.124 | 12.025 |
| | | | | 12168 | 10928 | 12180 | 11808 | 12108 | 11741 | 12027 | 12308 | 12308 | 12482 | 11911 | 12276 | 146837 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34050 SEMBACH AB GERMANY

53-72

| HR | MEAN | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|
| 00-02 | MEAN
S D
TOTAL OBS | 26.5
9.629
1399 | 27.1
11.069
1270 | 31.5
8.493
1399 | 37.2
7.187
1390 | 43.4
6.445
1397 | 49.9
5.767
1349 | 52.6
5.453
1529 | 52.7
5.050
1571 | 49.5
5.974
1433 | 43.3
6.602
1421 | 33.3
6.842
1349 | 30.8
8.947
1389 | 40.3
12.028
16862 |
| 03-05 | MEAN
S D
TOTAL OBS | 26.2
9.628
1461 | 26.8
11.175
1392 | 30.7
8.561
1470 | 36.4
7.160
1424 | 42.7
6.386
1407 | 48.9
5.719
1413 | 51.7
5.452
1590 | 51.7
5.114
1629 | 48.5
5.988
1510 | 42.4
6.970
1510 | 34.8
6.948
1432 | 30.3
8.979
1472 | 39.6
11.916
17710 |
| 06-08 | MEAN
S D
TOTAL OBS | 26.2
9.951
1612 | 26.6
10.998
1497 | 30.4
8.683
1621 | 36.6
7.135
1582 | 44.0
6.334
1615 | 50.1
5.697
1558 | 52.7
5.427
1703 | 52.3
5.093
1738 | 48.4
6.068
1668 | 42.0
7.253
1697 | 34.5
6.892
1596 | 29.9
8.968
1641 | 39.7
12.211
19508 |
| 09-11 | MEAN
S D
TOTAL OBS | 26.7
9.807
1628 | 27.4
10.695
1451 | 32.1
8.711
1624 | 38.1
7.285
1582 | 45.1
6.827
1696 | 50.7
6.249
1577 | 53.5
5.942
1718 | 53.8
5.194
1733 | 50.8
5.748
1680 | 44.2
6.733
1707 | 35.5
6.715
1608 | 30.2
8.863
1634 | 41.0
12.378
19690 |
| 12-14 | MEAN
S D
TOTAL OBS | 28.2
9.284
1647 | 29.0
10.231
1468 | 32.8
8.765
1630 | 38.0
7.714
1581 | 44.8
7.215
1635 | 50.5
6.396
1567 | 53.0
6.370
1713 | 53.3
5.759
1736 | 50.9
6.335
1681 | 45.3
6.916
1717 | 36.7
6.788
1611 | 31.2
8.656
1668 | 41.4
11.936
19671 |
| 15-17 | MEAN
S D
TOTAL OBS | 28.2
9.084
1632 | 29.2
10.055
1462 | 32.7
8.742
1643 | 37.8
7.791
1585 | 44.5
6.967
1627 | 50.3
6.392
1568 | 52.9
6.436
1708 | 53.0
5.848
1732 | 50.8
6.475
1677 | 45.2
7.111
1711 | 36.7
6.806
1616 | 31.3
8.821
1666 | 41.3
11.848
19647 |
| 18-20 | MEAN
S D
TOTAL OBS | 27.3
9.307
1298 | 28.4
10.369
1275 | 32.9
8.639
1399 | 38.2
7.700
1231 | 44.6
6.864
1297 | 50.6
6.176
1259 | 53.4
6.313
1333 | 53.6
5.709
1377 | 51.3
6.327
1446 | 44.8
6.772
1447 | 38.1
6.820
1390 | 31.5
8.745
1293 | 41.4
12.130
16922 |
| 21-23 | MEAN
S D
TOTAL OBS | 26.8
9.612
1292 | 27.6
10.502
1270 | 32.3
8.483
1394 | 38.0
7.281
1290 | 44.5
6.603
1295 | 50.8
5.820
1290 | 53.3
5.660
1323 | 53.4
5.231
1370 | 50.3
6.120
1448 | 43.8
6.727
1442 | 35.5
6.840
1349 | 31.0
8.804
1292 | 41.0
12.148
16886 |
| ALL HOURS | MEAN
S D
TOTAL OBS | 27.0
9.591
12102 | 27.8
10.678
10982 | 31.9
8.877
12180 | 37.5
7.645
11802 | 44.2
6.782
12109 | 50.2
6.070
11741 | 52.9
5.929
12027 | 53.0
5.480
12268 | 50.1
6.220
12302 | 43.9
7.000
12622 | 35.7
6.871
11911 | 30.8
8.833
12273 | 40.7
12.092
146822 |

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEEBACH AB GERMANY
STATION NAME

53-72

PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LAST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|---------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|------------------------|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| JAN | ALL | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 98.4 | 91.9 | 74.7 | 35.6 | 85.7 | 12162 |
| FEB | | 100.0 | 100.0 | 100.0 | 99.7 | 98.2 | 92.8 | 80.3 | 60.4 | 27.9 | 81.5 | 10982 |
| MAR | | 100.0 | 100.0 | 99.8 | 98.1 | 93.2 | 83.3 | 66.4 | 45.3 | 19.0 | 76.1 | 12180 |
| APR | | 100.0 | 99.9 | 99.1 | 95.0 | 86.1 | 73.8 | 58.5 | 39.9 | 17.3 | 72.6 | 11805 |
| MAY | | 100.0 | 100.0 | 99.5 | 95.5 | 85.3 | 73.0 | 57.5 | 39.3 | 17.7 | 72.5 | 12169 |
| JUN | | 100.0 | 100.0 | 99.6 | 95.9 | 87.3 | 73.3 | 57.2 | 39.6 | 17.3 | 72.7 | 11732 |
| JUL | | 100.0 | 100.0 | 99.1 | 95.5 | 86.5 | 73.6 | 57.9 | 39.7 | 18.4 | 72.8 | 13027 |
| AUG | | 100.0 | 100.0 | 99.7 | 97.8 | 91.3 | 79.6 | 65.4 | 48.1 | 24.1 | 76.4 | 13368 |
| SEP | | 100.0 | 100.0 | 99.8 | 98.2 | 94.1 | 85.1 | 72.6 | 55.8 | 30.4 | 79.5 | 12563 |
| OCT | | 100.0 | 100.0 | 99.9 | 99.6 | 98.0 | 93.5 | 85.1 | 67.9 | 39.5 | 84.4 | 12850 |
| NOV | | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 98.0 | 92.8 | 78.7 | 40.3 | 86.6 | 11911 |
| DEC | | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 99.1 | 95.2 | 82.5 | 45.3 | 88.0 | 12276 |
| TOTALS | | 100.0 | 100.0 | 99.7 | 97.9 | 92.3 | 85.3 | 73.4 | 56.0 | 27.7 | 79.1 | 146825 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/AC

RELATIVE HUMIDITY

34056 SEIBACH AB GERMANY
STATION

54-72

PERIOD FEB

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| MONTH | HOURS | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NUMBER
OBS |
|--------|-------|--|-------|-------|-------|------|------|------|------|------|------------------------------|------------------------|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| FEB | 00-02 | 100.0 | 100.0 | 100.0 | 99.8 | 99.1 | 96.9 | 88.7 | 69.3 | 35.3 | 84.4 | 1270 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 98.2 | 91.9 | 73.6 | 38.4 | 85.7 | 1332 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 98.9 | 94.2 | 78.3 | 41.0 | 86.6 | 1457 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.8 | 99.2 | 96.6 | 87.3 | 68.8 | 32.3 | 84.0 | 1451 |
| | 12-14 | 100.0 | 100.0 | 99.9 | 99.5 | 97.3 | 88.4 | 68.8 | 43.3 | 15.6 | 76.1 | 1465 |
| | 15-17 | 100.0 | 100.0 | 99.9 | 99.5 | 94.8 | 80.4 | 57.5 | 35.9 | 12.7 | 73.8 | 1462 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.5 | 97.4 | 91.6 | 74.7 | 49.2 | 20.2 | 78.9 | 1275 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.7 | 98.7 | 94.0 | 84.3 | 64.4 | 27.2 | 82.4 | 1270 |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.7 | 98.2 | 92.8 | 80.3 | 60.4 | 27.9 | 81.5 | 10962 |

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DATA PROCESSING BRANCH
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY
 STATION STATION NAME

54-72

PERIOD

MAY
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|--------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|------------------------|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| MAY | 00-02 | 100.0 | 100.0 | 100.0 | 99.9 | 99.4 | 94.2 | 82.0 | 61.7 | 29.4 | 82.6 | 1397 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 91.5 | 77.5 | 45.1 | 87.2 | 1467 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.8 | 99.6 | 98.0 | 90.0 | 68.7 | 32.1 | 84.5 | 1615 |
| | 09-11 | 100.0 | 100.0 | 99.9 | 98.2 | 89.2 | 70.5 | 48.1 | 24.3 | 6.8 | 89.2 | 1636 |
| | 12-14 | 100.0 | 100.0 | 98.8 | 89.7 | 68.9 | 46.0 | 26.4 | 12.5 | 3.2 | 80.1 | 1635 |
| | 15-17 | 100.0 | 100.0 | 97.9 | 84.2 | 61.2 | 38.7 | 21.1 | 11.4 | 3.1 | 87.1 | 1627 |
| | 18-20 | 100.0 | 99.9 | 99.4 | 92.4 | 75.3 | 53.8 | 33.9 | 18.0 | 5.7 | 83.3 | 1397 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.7 | 96.4 | 84.0 | 66.7 | 40.2 | 15.8 | 75.9 | 1395 |
| TOTALS | | 100.0 | 100.0 | 99.5 | 95.5 | 86.3 | 73.0 | 57.3 | 39.3 | 17.7 | 72.5 | 12169 |

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY
STATION STATION NAME

53-72

PERIOD

JUL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUL | 00-02 | 100.0 | 100.0 | 100.0 | 99.9 | 99.1 | 96.0 | 86.2 | 62.9 | 30.7 | 89.4 | 1529 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.9 | 93.8 | 77.7 | 43.3 | 87.4 | 1590 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 97.8 | 88.5 | 67.9 | 32.3 | 84.5 | 1703 |
| | 09-11 | 100.0 | 100.0 | 99.9 | 98.2 | 90.1 | 71.9 | 46.4 | 23.3 | 8.0 | 69.3 | 1718 |
| | 12-14 | 100.0 | 100.0 | 97.4 | 89.7 | 69.6 | 44.1 | 24.9 | 12.1 | 4.0 | 59.8 | 1713 |
| | 15-17 | 100.0 | 100.0 | 96.8 | 85.3 | 61.8 | 38.4 | 22.1 | 12.1 | 3.9 | 57.5 | 1708 |
| | 18-20 | 100.0 | 100.0 | 98.5 | 91.0 | 76.3 | 55.5 | 35.5 | 20.0 | 6.9 | 63.9 | 1533 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.3 | 93.4 | 86.1 | 66.0 | 41.6 | 17.9 | 76.4 | 1533 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.1 | 93.5 | 86.5 | 73.6 | 57.9 | 39.7 | 18.4 | 72.8 | 13027 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

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RELATIVE HUMIDITY

24056 SEMBACH AB GERMANY
STATION STATION NAME

53-72

PERIOD

AUG

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST. | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|---------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|------------------------|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| AUG | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 99.0 | 98.1 | 75.7 | 40.1 | 86.7 | 1571 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.4 | 96.9 | 84.8 | 53.4 | 89.6 | 1629 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 99.2 | 95.8 | 81.9 | 47.3 | 88.3 | 1758 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.2 | 96.0 | 82.4 | 60.3 | 35.0 | 11.2 | 73.9 | 1755 |
| | 12-14 | 100.0 | 100.0 | 99.4 | 95.0 | 79.1 | 51.4 | 27.4 | 14.3 | 4.2 | 62.7 | 1756 |
| | 15-17 | 100.0 | 99.9 | 98.5 | 91.5 | 70.0 | 43.1 | 24.3 | 13.1 | 4.5 | 60.0 | 1752 |
| | 18-20 | 100.0 | 100.0 | 99.8 | 97.0 | 86.4 | 67.0 | 43.0 | 24.3 | 8.7 | 68.6 | 1377 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.8 | 99.3 | 93.0 | 80.0 | 55.9 | 23.1 | 81.2 | 1370 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.7 | 97.8 | 91.3 | 79.6 | 65.4 | 48.1 | 24.1 | 76.4 | 13368 |

RELATIVE HUMIDITY

PERIOD OCT 1967

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|--------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|------------------------|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | |
| DEC | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 98.9 | 96.6 | 87.2 | 58.8 | 90.4 | 1421 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 97.7 | 90.9 | 64.5 | 91.7 | 1509 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 98.0 | 91.5 | 62.6 | 91.7 | 1696 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.9 | 99.2 | 96.7 | 89.8 | 69.2 | 35.6 | 85.0 | 1707 |
| | 12-14 | 100.0 | 100.0 | 99.9 | 98.6 | 93.8 | 81.9 | 60.8 | 32.6 | 12.5 | 73.7 | 1717 |
| | 15-17 | 100.0 | 99.9 | 99.8 | 98.8 | 92.9 | 77.8 | 56.8 | 28.9 | 10.4 | 72.1 | 1711 |
| | 18-20 | 100.0 | 100.0 | 99.7 | 99.5 | 98.7 | 96.0 | 86.3 | 61.2 | 24.5 | 82.5 | 1447 |
| | 21-23 | 100.0 | 100.0 | 99.8 | 99.8 | 99.5 | 97.9 | 94.6 | 81.7 | 46.7 | 88.0 | 1442 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.9 | 99.6 | 98.0 | 93.5 | 85.1 | 67.9 | 39.5 | 84.4 | 12650 |

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U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

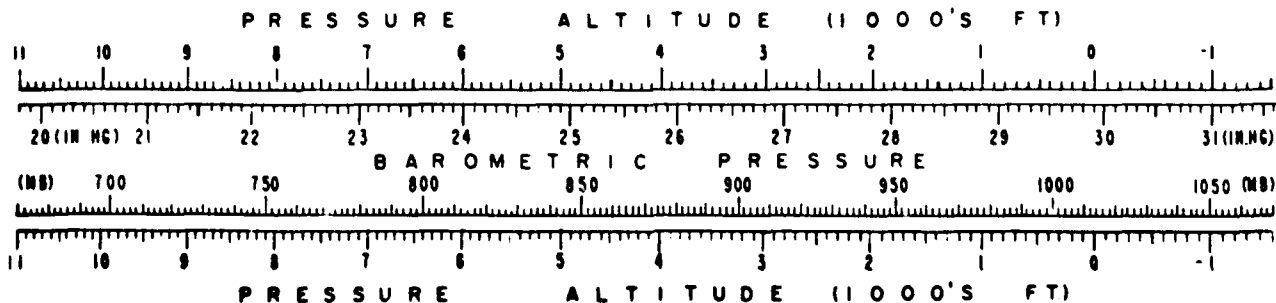
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/40

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

34056 SEMBACH AB GERMANY

52-63,64-72

| | | AN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN. A |
|-----------|-----------|----------|----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|--------|--------|
| 01 | MEAN | 28.06528 | 28.2028 | 28.5028 | 28.8328 | 28.87828 | 28.91228 | 28.94428 | 28.86928 | 28.91028 | 28.91728 | 28.8428 | 28.807 | 28.869 |
| | S.D. | .303 | .339 | .269 | .227 | .161 | .159 | .146 | .157 | .166 | .242 | .277 | .346 | .244 |
| | TOTAL OBS | 403 | 367 | 403 | 391 | 404 | 390 | 424 | 462 | 423 | 413 | 390 | 432 | 4902 |
| 04 | MEAN | 28.85928 | 28.1528 | 28.3528 | 28.82528 | 28.87028 | 28.90428 | 28.9428 | 28.85828 | 28.89828 | 28.90628 | 28.8228 | 28.800 | 28.859 |
| | S.D. | .299 | .343 | .269 | .227 | .161 | .162 | .147 | .161 | .167 | .243 | .278 | .347 | .245 |
| | TOTAL OBS | 403 | 367 | 403 | 391 | 403 | 390 | 424 | 462 | 417 | 412 | 390 | 432 | 4895 |
| 07 | MEAN | 28.83728 | 28.0628 | 28.3328 | 28.82928 | 28.87328 | 28.90928 | 28.90828 | 28.87028 | 28.91428 | 28.92528 | 28.83028 | 28.821 | 28.868 |
| | S.D. | .305 | .338 | .267 | .231 | .168 | .161 | .153 | .159 | .171 | .240 | .263 | .345 | .248 |
| | TOTAL OBS | 433 | 421 | 474 | 467 | 481 | 463 | 487 | 527 | 501 | 510 | 484 | 529 | 5836 |
| 10 | MEAN | 28.85928 | 28.1728 | 28.4528 | 28.84128 | 28.86028 | 28.91528 | 28.91628 | 28.88228 | 28.93028 | 28.94728 | 28.84828 | 28.835 | 28.877 |
| | S.D. | .302 | .344 | .271 | .231 | .170 | .160 | .154 | .158 | .173 | .241 | .284 | .348 | .249 |
| | TOTAL OBS | 481 | 431 | 484 | 471 | 482 | 467 | 489 | 524 | 498 | 512 | 486 | 523 | 5832 |
| 13 | MEAN | 28.84728 | 28.1028 | 28.3528 | 28.82728 | 28.86728 | 28.90528 | 28.90328 | 28.87328 | 28.91828 | 28.93328 | 28.83528 | 28.827 | 28.866 |
| | S.D. | .301 | .343 | .270 | .229 | .169 | .158 | .152 | .154 | .170 | .239 | .283 | .346 | .247 |
| | TOTAL OBS | 488 | 420 | 477 | 467 | 480 | 460 | 483 | 523 | 497 | 508 | 479 | 526 | 5818 |
| 16 | MEAN | 28.84028 | 28.79528 | 28.1128 | 28.80528 | 28.84928 | 28.88828 | 28.88928 | 28.85028 | 28.90128 | 28.91828 | 28.82628 | 28.822 | 28.851 |
| | S.D. | .299 | .334 | .268 | .228 | .163 | .157 | .147 | .152 | .167 | .234 | .278 | .346 | .244 |
| | TOTAL OBS | 484 | 420 | 487 | 488 | 484 | 464 | 484 | 519 | 499 | 512 | 480 | 528 | 5839 |
| 19 | MEAN | 28.86628 | 28.2228 | 28.3528 | 28.81728 | 28.85628 | 28.89228 | 28.88128 | 28.85228 | 28.89528 | 28.91528 | 28.84028 | 28.805 | 28.897 |
| | S.D. | .296 | .340 | .267 | .223 | .160 | .156 | .148 | .153 | .163 | .230 | .282 | .344 | .242 |
| | TOTAL OBS | 402 | 388 | 404 | 390 | 404 | 392 | 422 | 462 | 421 | 422 | 390 | 433 | 4915 |
| 22 | MEAN | 28.87328 | 28.03028 | 28.3028 | 28.83728 | 28.87728 | 28.91328 | 28.90228 | 28.87228 | 28.91428 | 28.93328 | 28.84628 | 28.812 | 28.871 |
| | S.D. | .297 | .341 | .267 | .228 | .161 | .156 | .144 | .162 | .168 | .241 | .284 | .343 | .244 |
| | TOTAL OBS | 402 | 388 | 402 | 390 | 402 | 390 | 422 | 461 | 422 | 419 | 389 | 433 | 4907 |
| ALL HOURS | MEAN | 28.85528 | 28.1528 | 28.3628 | 28.82028 | 28.86828 | 28.90528 | 28.90028 | 28.86728 | 28.91028 | 28.92428 | 28.83728 | 28.817 | 28.864 |
| | S.D. | .300 | .340 | .268 | .228 | .164 | .159 | .149 | .157 | .169 | .239 | .281 | .346 | .246 |
| | TOTAL OBS | 3544 | 3109 | 3333 | 3422 | 3543 | 3416 | 3641 | 3943 | 3679 | 3708 | 3488 | 3842 | 42964 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/VAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

34056 SEMBACH AB GERMANY

53-67,71-72

| | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 01 | MEAN | 1018.2 | 1017.1 | 1016.3 | 1015.2 | 1016.6 | 1017.0 | 1016.2 | 1015.6 | 1017.4 | 1017.7 | 1016.4 | 1015.4 | 1016.6 |
| | S.D. | 11.22 | 12.03 | 9.54 | 8.05 | 5.76 | 5.87 | 4.93 | 5.52 | 5.77 | 8.92 | 9.81 | 12.05 | 8.71 |
| | TOTAL OBS | 432 | 395 | 434 | 422 | 434 | 422 | 435 | 434 | 420 | 435 | 420 | 463 | 5144 |
| 04 | MEAN | 1018.1 | 1016.6 | 1015.9 | 1014.9 | 1016.4 | 1016.8 | 1015.8 | 1015.2 | 1017.1 | 1017.4 | 1016.2 | 1015.2 | 1016.3 |
| | S.D. | 11.15 | 12.14 | 9.54 | 8.04 | 5.74 | 5.94 | 5.18 | 5.64 | 5.80 | 8.91 | 9.22 | 12.06 | 8.74 |
| | TOTAL OBS | 432 | 395 | 434 | 422 | 434 | 422 | 434 | 434 | 420 | 435 | 420 | 463 | 5142 |
| 07 | MEAN | 1018.0 | 1016.7 | 1016.2 | 1015.4 | 1016.8 | 1017.2 | 1016.2 | 1015.6 | 1017.4 | 1017.8 | 1016.2 | 1015.1 | 1016.5 |
| | S.D. | 11.18 | 12.31 | 9.50 | 8.12 | 5.80 | 5.97 | 5.13 | 5.75 | 5.90 | 8.93 | 9.03 | 12.06 | 8.83 |
| | TOTAL OBS | 432 | 395 | 434 | 422 | 434 | 422 | 434 | 434 | 420 | 441 | 438 | 466 | 5169 |
| 10 | MEAN | 1018.7 | 1017.4 | 1016.8 | 1015.7 | 1017.0 | 1017.4 | 1016.4 | 1016.0 | 1017.9 | 1018.5 | 1016.9 | 1015.8 | 1017.0 |
| | S.D. | 11.18 | 12.45 | 9.57 | 8.10 | 5.91 | 5.86 | 5.08 | 5.67 | 5.94 | 8.97 | 9.10 | 12.08 | 8.84 |
| | TOTAL OBS | 432 | 395 | 434 | 422 | 434 | 422 | 432 | 434 | 420 | 442 | 438 | 467 | 5172 |
| 13 | MEAN | 1018.2 | 1017.0 | 1016.3 | 1015.1 | 1016.5 | 1017.0 | 1016.0 | 1015.7 | 1017.4 | 1017.9 | 1016.3 | 1015.3 | 1016.6 |
| | S.D. | 11.13 | 12.43 | 9.50 | 8.04 | 5.70 | 5.73 | 5.22 | 5.49 | 5.83 | 8.90 | 8.90 | 12.04 | 8.76 |
| | TOTAL OBS | 432 | 395 | 434 | 422 | 434 | 422 | 434 | 434 | 420 | 439 | 438 | 465 | 5165 |
| 16 | MEAN | 1018.0 | 1016.3 | 1015.5 | 1014.5 | 1015.9 | 1016.5 | 1015.6 | 1015.2 | 1017.0 | 1017.4 | 1016.3 | 1015.0 | 1016.0 |
| | S.D. | 11.08 | 12.18 | 9.38 | 7.99 | 5.65 | 5.67 | 4.82 | 5.46 | 5.67 | 8.74 | 9.94 | 11.99 | 8.67 |
| | TOTAL OBS | 432 | 395 | 434 | 422 | 434 | 422 | 432 | 434 | 420 | 442 | 438 | 466 | 5167 |
| 19 | MEAN | 1018.4 | 1017.0 | 1016.0 | 1014.7 | 1015.8 | 1016.5 | 1015.4 | 1015.1 | 1017.1 | 1017.9 | 1016.3 | 1015.5 | 1016.3 |
| | S.D. | 11.12 | 12.13 | 9.41 | 7.92 | 5.69 | 5.61 | 4.83 | 5.44 | 5.74 | 8.79 | 9.96 | 12.01 | 8.68 |
| | TOTAL OBS | 432 | 395 | 434 | 422 | 434 | 421 | 434 | 434 | 421 | 436 | 420 | 464 | 5146 |
| 22 | MEAN | 1018.6 | 1017.3 | 1016.4 | 1015.3 | 1016.5 | 1017.1 | 1016.1 | 1015.7 | 1017.0 | 1018.1 | 1016.7 | 1015.7 | 1016.7 |
| | S.D. | 11.15 | 12.14 | 9.43 | 8.07 | 5.78 | 5.68 | 4.84 | 5.54 | 5.78 | 8.93 | 9.04 | 11.95 | 8.72 |
| | TOTAL OBS | 432 | 394 | 434 | 422 | 434 | 422 | 434 | 434 | 420 | 432 | 417 | 464 | 5141 |
| ALL HOURS | MEAN | 1018.3 | 1016.9 | 1016.2 | 1015.1 | 1016.5 | 1016.9 | 1016.0 | 1015.5 | 1017.3 | 1017.8 | 1016.4 | 1015.4 | 1016.5 |
| | S.D. | 11.13 | 12.21 | 9.49 | 8.04 | 5.75 | 5.80 | 4.97 | 5.57 | 5.81 | 8.91 | 9.97 | 12.02 | 8.75 |
| | TOTAL OBS | 2441 | 2152 | 2472 | 2260 | 2472 | 2263 | 2471 | 2472 | 2261 | 2204 | 2431 | 2718 | 41244 |

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